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ABSTRACT

This report presents data from 116 U.S. and Canadian research libraries that were members of the Association of Research Libraries (ARL) during the 1995-96 fiscal year. The 1995-96 Preservation Statistics questionnaire was designed to yield statistical information on the current level of preservation efforts in research libraries and on the key organizational, functional, and fiscal components that characterize preservation programs. "Part I: Summary Data Tables" displays the aggregated statistics describing the current level of preservation efforts in ARL libraries. The data tables contain statistics from all respondents for five major data categories, i.e., personnel, expenditures, conservation treatment, preservation treatment, and preservation microfilming. "Part II: Analysis of Core Data for All Reporting ARL Libraries" provides analysis of the responses without displaying the data from individual libraries. The analysis includes data from all reporting university and nonuniversity libraries. The key organizational, functional, and fiscal components that characterize preservation programs in ARL libraries and that distinguish between program levels are analyzed. "Part III: Analysis of Core Data Based on Size of Collection" provides statistical measure in four groupings by size of library. A copy of the questionnaire and a list of ARL member libraries are attached. (Contains 18 references.) (MES)

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ARL PRESERVATION STATISTICS 1995-96

A COMPILATION OF STATISTICS FROM THE MEMBERS OF THE ASSOCIATION OF RESEARCH LIBRARIES

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WASHINGTON, DC
1997

ARL PRESERVATION STATISTICS 1995-96

A COMPILATION OF STATISTICS
FROM THE MEMBERS OF THE
ASSOCIATION OF RESEARCH LIBRARIES

COMPILED AND EDITED BY

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INTRODUCTION

ARL Preservation Statistics 1995-96 presents data from 116 U.S. and Canadian research libraries that were members of the Association of Research Libraries during the 1995-96 fiscal year.[1] The ARL membership consisted of 109 university libraries and 11 public or private, independent research libraries in 1995-96.[2]

The 1995-96 Preservation Statistics questionnaire is designed to yield statistical information on the current level of preservation efforts in research libraries and on the key organizational, functional, and fiscal components that characterize preservation programs.

Among the significant developments that took place in research libraries in the 1980s was the emergence of preservation programs, configured as distinct administrative units, separately staffed, funded, and administered. Since 1987-88 the number of programs managed by a preservation administrator has grown irregularly from 66 to around 80 in more recent years.[3] A fluctuating growth in preservation expenditures and staffing across the ARL membership accompanied this development. Since 1993 preservation expenditures have begun to level off and 1995-96 data indicate for the first time a slight decline. Preservation expenditures for ARL's 116 reporting member libraries as a whole were $77,069,334, about two million less than last year's expenditures. Total preservation staff, as well as conservation activities, generally declined. Only Level 2 and 3 contract conservation treatment numbers increased, whereas all indicators of microfilming activity (titles, volumes, and exposures) declined in 1995-96.

Availability of external funds continues to play a critical role in preservation activities. In 1988, the National Endowment for the Humanities began a multi-year, expanded cooperative preservation microfilming program. Since then, ARL libraries have participated extensively in that program. University libraries in the aggregate reported that special grants from external sources accounted for about 11% of the total preservation expenditures. Grant funds were expended predominantly on preservation microfilming projects. The chart on page 7 shows that ARL member libraries preserved 154,805 volumes on microfilm in 1995-96.

ARL Preservation Statistics provides a broad range of quantitative data and should not be used as a measure of quality of preservation programs. Preservation efforts encompass a diverse array of activities, and there are substantial differences in the nature of preservation work. *ARL Preservation Statistics* cannot completely capture the richness, sheer variety, and full extent of each library's preservation commitment. Much progress has been achieved, however, in increasing the consistency and hence comparability of the reported quantitative data.

Most of the data contained in this publication are descriptive indices of preservation activities in research libraries, including preservation staffs and expenditures, and productivity.

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[1] The Newberry Library withdrew from membership in the Association of Research Libraries in January 1993. This library's data are included in *ARL Preservation Statistics* prior to 1992-93. The University of Alberta, California- Riverside, Howard, and the Canada Institute for Scientific and Technical Information (CISTI) were unable to report 1995-96 data. Ohio University became a member of ARL in 1995-96 and its data appear for the first time in this year's preservation statistics.

[2] Texas Tech became a member of ARL in 1996-97

[3] Figures revised to accommodate the new definition of preservation administrator -- starting in 1994-95, a preservation administrator is defined as one who "spends at least 25% of his or her time managing a partial or comprehensive preservation program."

The data are also useful in determining the organization of preservation units and the components of preservation programs. Each library's total expenditures and materials expenditures, as reported in *ARL Statistics 1995-96*, are displayed in the tables together with the percentage of preservation expenditures. To aid comparability in *ARL Preservation Statistics*, expenditures of Canadian libraries are expressed in U.S. dollars at the rate of 1.3613 Canadian dollars to one U.S. dollar. This exchange rate is the average monthly noon exchange rate published in the *Bank of Canada Review* for the period from July 1995 to June 1996. Expenditures reported in Canadian dollars are given in the "Footnotes to the *ARL Preservation Statistics*."

Those using *ARL Preservation Statistics* to compare activities in individual institutions will need to consult the definitions used in the instructions as well as the "Footnotes" section. Although the definitions and procedures used in the Preservation Statistics questionnaire aim to achieve consistency, variant reporting practices do exist among ARL libraries. Care should be taken in comparing this year's data to data collected in previous years.

The report is divided into three parts: Summary Data Tables, Analysis of Core Data for All Reporting ARL Libraries, and Analysis of Core Data Based on Size of Collection.

Part I: Summary Data Tables displays the aggregated statistics describing the current level of preservation efforts in ARL libraries. The data tables contain statistics from all respondents for five major data categories.

Part II: Analysis of Core Data for All Reporting ARL Libraries provides analysis of the responses without displaying the data from individual libraries. The analysis includes data from all reporting university and nonuniversity libraries. The key organizational, functional, and fiscal components that characterize preservation programs in ARL libraries and that distinguish between program levels are analyzed.

Part III: Analysis of Core Data Based on Size of Collection provides statistical measures in four groupings by size of library.

Again, all the data in this publication are quantitative and descriptive and are not indicative of qualitative factors. When comparing any individual library preservation program to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and preservations needs.

SUMMARY OF PRESERVATION DATA
1988-89 to 1995-96

Category	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
No. of Institutions Reporting	107	115	117	119	114	115	115	116
No. of Preservation Administrators	66	77	77	76	77	80	81	80
Total Staff Library-wide Engaged in Preservation Activities	1,620.52	1,760.73	1,744.34	1,867	1,841.99	1,900.20	1,912.08	1,879.54
Total Preservation Expenditures	$60,714,802	$66,045,392	$70,705,449	$76,550,655	$76,793,364	$77,674,363	$79,164,226	$77,069,334
Conservation Treatment (volumes)	Contract: Minor: 2,336 Interim: 8,393 Major: 4,623 In-house: Minor: 658,711 Interim: 176,901 Major: 17,113 Total contract: 16,801 Total in-house: 888,868	Contract: Level 1: 5,162 Level 2: 4,906 Level 3: 3,090 In-house: Level 1: 682,735 Level 2: 272,464 Level 3: 32,233 Total contract: 15,697 Total in-house: 987,432	Contract: Level 1: 3,970 Level 2: 2,317 Level 3: 2,376 In-house: Level 1: 668,597 Level 2: 271,508 Level 3: 16,253 Total contract: 8,717 Total in-house: 956,358	Contract: Level 1: 2,979 Level 2: 7,957 Level 3: 2,794 In-house: Level 1: 1,035,955 Level 2: 257,934 Level 3: 21,665 Total contract: 18,029 Total in-house: 1,316,757	Contract: Level 1: 4,756 Level 2: 3,826 Level 3: 3,208 In-house: Level 1: 664,860 Level 2: 262,022 Level 3: 21,033 Total contract: 12,278 Total in-house: 952,097	Contract: Level 1: 2,703 Level 2: 3,054 Level 3: 3,028 In-house: Level 1: 680,602 Level 2: 243,421 Level 3: 20,701 Total contract: 8,424 Total in-house: 982,830	Contract: Level 1: 2,513 Level 2: 2,927 Level 3: 1,511 In-house: Level 1: 664,110 Level 2: 231,019 Level 3: 24,303 Total contract: 6,951 Total in-house: 950,140	Contract: Level 1: 1,893 Level 2: 4,618 Level 3: 2,618 In-house: Level 1: 609,034 Level 2: 226,252 Level 3: 19,835 Total contract: 9,129 Total in-house: 910,585
Microfilming	Titles: 75,198 Volumes: 60,502 Exposures: 18,254,133	Titles: 68,904 Volumes: 92,093 Exposures: 23,687,873	Titles: 77,740 Volumes: 123,233 Exposures: 28,264,637	Titles: 93,052 Volumes: 204,934 Exposures: 28,892,445	Titles: 104,818 Volumes: 124,455 Exposures: 32,844,044	Titles: 106,733 Volumes: 127,650 Exposures: 29,900,149	Titles: 133,290 Volumes: 173,646 Exposures: 28,474,292	Titles: 89,560 Volumes: 154,805 Exposures: 25,772,672

Source: *ARL Preservation Statistics 1995-96* (Washington, DC: Association of Research Libraries, 1997)

PART I:

SUMMARY DATA TABLES

TABLE I: PERSONNEL (FTE)

INSTITUTION	Pres. Admin. 1	% Time on Pres. Activ. 2	Pres. Unit Prof. Staff 3	Pres. Unit Support Staff 4	Pres. Unit Student Assist. 5	Pres. Unit Total Staff 6	Library Wide Prof. Staff 7	Library Wide Support Staff 8	Library Wide Student Assist. 9	Library Wide Total Staff 10
ALABAMA	no	.	.00	.00	.00	.00	.17	4.20	1.84	6.21
ALBERTA	.	.	.	.	.	.	.	.	.	.
ARIZONA	no	.	.00	.00	.00	.00	.00	.00	.00	.00
ARIZONA STATE	yes	100%	.00	4.50	2.25	6.75	.00	4.95	2.35	7.30
AUBURN	no	.	.00	.00	.00	.00	.45	8.70	4.85	14.00
BOSTON	no	.	.00	.00	.00	.00	.00	4.50	2.00	6.50
BRIGHAM YOUNG	yes	100%	1.00	.00	.00	1.00	6.00	.00	7.00	13.00
BRITISH COLUMBIA	yes	50%	1.00	1.00	.00	2.00	1.31	9.01	.17	10.49
BROWN	yes	100%	2.00	5.00	2.00	9.00	6.60	11.30	5.40	23.30
CALIFORNIA, BERKELEY	yes	50%	3.60	13.98	2.59	20.17	7.30	21.01	8.73	37.04
CALIFORNIA, DAVIS	yes	25%	.20	5.50	2.20	7.90	.20	5.50	2.20	7.90
CALIFORNIA, IRVINE	yes	75%	.75	4.50	3.50	8.75	.75	4.50	3.50	8.75
CALIFORNIA, LOS ANGELES	yes	100%	1.00	1.00	.30	2.30	1.30	7.14	5.68	14.12
CALIFORNIA, RIVERSIDE	.	.	.	.	.	.	.	.	.	.
CALIFORNIA, SAN DIEGO	yes	60%	.60	4.45	1.88	6.93	1.11	9.10	6.07	16.28
CALIFORNIA, SANTA BARBARA	no	.	.00	.00	.00	.00	.01	5.00	2.00	7.01
CASE WESTERN RESERVE	yes	100%	1.00	2.25	.25	3.50	1.17	3.10	.25	4.52
CHICAGO	yes	100%	2.00	5.40	2.40	9.80	3.00	15.00	4.00	22.00
CINCINNATI	yes	75%	.75	3.00	1.24	4.99	.85	3.00	1.24	5.09
COLORADO	yes	100%	1.00	8.90	1.00	10.90	1.00	8.90	1.00	10.90
COLORADO STATE	yes	100%	1.00	6.00	1.00	8.00	1.30	6.00	1.00	8.30
COLUMBIA	yes	100%	6.00	25.50	6.65	38.15	7.29	29.39	6.84	43.52
CONNECTICUT	yes	100%	1.30	4.85	3.60	9.75	2.57	5.86	4.11	12.54
CORNELL	yes	100%	8.00	18.00	1.25	27.25	9.75	23.95	3.73	37.43
DARTMOUTH	yes	100%	1.00	4.50	1.60	7.10	1.05	4.66	1.60	7.31
DELAWARE	yes	100%	1.00	5.00	5.59	11.59	1.25	5.75	5.84	12.84
DUKE	no	.	.00	.00	.00	.00	.30	6.80	1.30	8.40
EMORY	yes	100%	2.00	1.75	1.11	4.86	2.25	6.89	1.68	10.82
FLORIDA	yes	100%	4.00	6.99	3.25	14.24	4.00	9.39	4.75	18.14
FLORIDA STATE	no	.	.00	.00	.00	.00	2.13	5.88	.00	8.01
GEORGETOWN	yes	100%	2.00	5.00	.50	7.50	2.00	6.00	.75	8.75
GEORGIA	yes	50%	.50	.75	.00	1.25	2.00	10.70	1.40	14.10
GEORGIA TECH	no	.	.00	.00	.00	.00	.30	2.00	.20	2.50
GUELPH	no	.	.00	.00	.00	.00	.50	3.30	.70	4.50
HARVARD	yes	100%	16.12	48.02	12.31	76.45	23.48	60.77	20.83	105.08
HAWAII	yes	100%	2.00	3.50	5.00	10.50	2.00	5.50	6.00	13.50
HOUSTON	no	.	.00	.00	.00	.00	.40	3.20	.80	4.40
HOWARD	.	.	.	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	no	.	.00	.00	.00	.00	.00	3.10	.40	3.50
ILLINOIS, URBANA	yes	100%	2.00	1.50	1.70	5.20	10.01	6.96	3.50	20.47
INDIANA	yes	100%	2.00	6.10	2.79	10.89	4.59	11.30	6.84	22.73
IOWA	yes	100%	1.87	9.00	2.24	13.11	2.00	10.00	3.74	15.74
IOWA STATE	yes	100%	1.00	3.00	2.08	6.08	1.00	3.00	2.08	6.08
JOHNS HOPKINS	yes	100%	2.00	4.00	1.70	7.70	2.27	7.15	1.95	11.37
KANSAS	yes	100%	1.00	1.00	5.50	7.50	1.69	4.74	9.64	16.07

TABLE I: PERSONNEL (FTE)

INSTITUTION	Pres. Admin. 1	% Time on Pres. Activ. 2	Pres. Unit Prof. Staff 3	Pres. Unit Support Staff 4	Pres. Unit Student Assist. 5	Pres. Unit Total Staff 6	Library Wide Prof. Staff 7	Library Wide Support Staff 8	Library Wide Student Assist. 9	Library Wide Total Staff 10
KENT STATE	no	.	.00	.00	.00	.00	.00	3.00	1.00	4.00
KENTUCKY	yes	100%	1.00	8.50	4.83	14.33	1.97	13.52	9.73	25.22
LAVAL	yes	100%	1.00	7.00	.00	8.00	1.20	7.30	.00	8.50
LOUISIANA STATE	no	.	.00	.00	.00	.00	2.00	7.75	3.50	13.25
MCGILL	no	.	.00	.00	.00	.00	.00	1.00	.00	1.00
MCMASTER	yes	100%	1.00	1.00	.30	2.30	1.00	1.50	.30	2.80
MANITOBA	no	.	.00	.00	.00	.00	1.00	4.00	.00	5.00
MARYLAND	yes	100%	3.00	6.00	8.00	17.00	4.00	8.50	12.00	24.50
MASSACHUSETTS	no	.	.00	.00	.00	.00	.07	3.09	.94	4.10
MIT	yes	50%	1.90	3.20	1.80	6.90	3.20	4.00	3.80	11.00
MIAMI	no	.	.00	.00	.00	.00	.60	10.90	4.90	16.40
MICHIGAN	yes	100%	6.00	19.00	5.23	30.23	21.00	49.00	9.13	79.13
MICHIGAN STATE	yes	100%	1.05	4.38	4.75	10.18	1.66	4.93	6.41	13.00
MINNESOTA	no	.	.00	.00	.00	.00	1.78	6.79	3.22	11.79
MISSOURI	no	.	.00	.00	.00	.00	.00	4.50	1.37	5.87
NEBRASKA	yes	50%	.50	7.25	1.50	9.25	2.00	10.00	2.50	14.50
NEW MEXICO	no	..	.00	.00	.00	.00	2.20	6.25	7.50	15.95
NEW YORK	yes	100%	2.10	5.40	3.55	11.05	7.65	12.35	9.50	29.50
NORTH CAROLINA	yes	100%	1.00	5.00	1.75	7.75	3.50	12.70	5.19	21.39
NORTH CAROLINA STATE	yes	100%	1.00	5.00	4.50	10.50	1.30	6.80	5.50	13.60
NORTHWESTERN	yes	100%	3.70	5.50	6.50	15.70	4.77	10.56	9.35	24.68
NOTRE DAME	yes	100%	2.00	7.00	2.50	11.50	2.00	9.00	3.50	14.50
OHIO	yes	100%	2.00	2.00	2.00	6.00	2.75	4.50	5.25	12.50
OHIO STATE	yes	100%	2.90	7.50	3.00	13.40	3.90	14.90	5.50	24.30
OKLAHOMA	no	.	.00	.00	.00	.00	.02	.79	.30	1.11
OKLAHOMA STATE	no	.	.00	.00	.00	.00	.50	2.90	2.10	5.50
OREGON	yes	100%	1.00	4.50	2.50	8.00	2.20	8.59	5.68	16.47
PENNSYLVANIA	no	.	.00	.00	.00	.00	2.75	6.50	11.00	20.25
PENNSYLVANIA STATE	yes	100%	1.00	2.75	.00	3.75	1.10	7.95	.00	9.05
PITTSBURGH	yes	100%	1.00	3.00	1.30	5.30	1.00	4.50	2.30	7.80
PRINCETON	yes	100%	4.58	3.92	1.56	10.06	7.83	9.92	3.26	21.01
PURDUE	no	.	.00	.00	.00	.00	.05	5.75	.20	6.00
QUEEN'S	yes	25%	.25	2.00	.00	2.25	.25	2.00	.00	2.25
RICE	yes	80%	1.00	4.00	.75	5.75	1.00	4.25	.75	6.00
ROCHESTER	yes	100%	3.45	4.45	2.80	10.70	3.55	5.45	3.10	12.10
RUTGERS	yes	50%	.50	.00	.00	.50	1.51	4.85	1.62	7.98
SASKATCHEWAN	no	.	.00	.00	.00	.00	.35	4.70	.00	5.05
SOUTH CAROLINA	no	.	.00	.00	.00	.00	1.10	4.70	7.45	13.25
SOUTHERN CALIFORNIA	yes	100%	1.00	2.00	.80	3.80	1.10	2.70	1.00	4.80
SOUTHERN ILLINOIS	yes	30%	.30	1.00	3.90	5.20	.75	2.50	5.90	9.15
STANFORD	yes	100%	4.30	15.75	3.00	23.05	5.55	24.57	17.17	47.29
SUNY-ALBANY	yes	100%	2.00	.80	2.00	4.80	2.25	3.30	2.25	7.80
SUNY-BUFFALO	yes	100%	3.60	.00	2.80	6.40	6.70	4.20	6.60	17.50
SUNY-STONY BROOK	yes	100%	1.00	1.00	1.00	3.00	1.00	6.00	1.25	8.25
SYRACUSE	yes	100%	3.25	5.25	1.00	9.50	3.25	5.75	1.00	10.00

TABLE I: PERSONNEL (FTE)

INSTITUTION	Pres. Admin. 1	% Time on Pres. Activ. 2	Pres. Unit Prof. Staff 3	Pres. Unit Support Staff 4	Pres. Unit Student Assist. 5	Pres. Unit Total Staff 6	Library Wide Prof. Staff 7	Library Wide Support Staff 8	Library Wide Student Assist. 9	Library Wide Total Staff 10
TEMPLE	no	.	.00	.00	.00	.00	3.20	3.15	1.25	7.60
TENNESSEE	yes	50%	.50	.00	.00	.50	1.35	8.80	1.00	11.15
TEXAS	yes	100%	10.00	15.38	.50	25.88	12.03	30.33	.50	42.86
TEXAS A&M	yes	25%	.25	1.00	.25	1.50	.50	7.00	5.50	13.00
TORONTO	yes	100%	3.00	14.00	.00	17.00	4.00	15.00	.00	19.00
TULANE	no	.	.00	.00	.00	.00	.00	4.53	.75	5.28
UTAH	yes	100%	1.00	7.75	3.50	12.25	1.00	7.75	3.50	12.25
VANDERBILT	yes	100%	1.00	6.00	.30	7.30	1.64	8.20	.62	10.46
VIRGINIA	yes	100%	1.00	5.25	2.50	8.75	1.30	6.50	3.25	11.05
VPI & SU	no	.	.00	.00	.00	.00	.00	6.00	4.00	10.00
WASHINGTON	yes	25%	.25	2.00	1.00	3.25	.60	11.44	1.80	13.84
WASHINGTON STATE	no	.	.00	.00	.00	.00	.10	3.54	2.27	5.91
WASHINGTON U.-ST. LOUIS	yes	100%	1.00	4.00	2.50	7.50	1.00	4.00	2.50	7.50
WATERLOO	no	.	.00	.00	.00	.00	.00	5.00	.00	5.00
WAYNE STATE	no	.	.00	.00	.00	.00	1.32	3.35	1.38	6.05
WESTERN ONTARIO	no	.	.05	.00	.00	.05	.05	8.40	.00	8.45
WISCONSIN	yes	25%	3.25	11.94	5.03	20.22	3.51	13.64	7.76	24.91
YALE	yes	100%	7.00	26.60	4.50	38.10	8.82	33.02	8.80	50.64
YORK	no	.	.00	.00	.00	.00	.09	3.15	.03	3.27
BOSTON PUBLIC LIBRARY	no	.	.00	.00	.00	.00	3.00	8.00	4.00	15.00
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	yes	50%	1.00	1.00	.00	2.00	1.40	1.60	2.80	5.80
LIBRARY OF CONGRESS	yes	100%	46.00	140.00	.00	186.00	63.00	140.00	.00	203.00
LINDA HALL LIBRARY	yes	25%	.25	.00	.00	.25	.70	1.67	.00	2.37
NATL. AGRICULTURAL LIB.	no	.	.00	.00	.00	.00	.50	.00	.25	.75
NATL. LIBRARY OF CANADA	yes	100%	3.00	5.00	.00	8.00	14.45	14.70	.00	29.15
NATL. LIBRARY OF MEDICINE	yes	90%	6.50	5.50	2.50	14.50	7.25	6.00	3.00	16.25
NEW YORK PUBLIC LIBRARY	yes	100%	9.00	40.00	U/A	49.00	14.30	40.60	U/A	54.90
NEW YORK STATE LIBRARY	yes	100%	2.50	5.00	.00	7.50	2.50	6.00	.00	8.50
SMITHSONIAN INSTITUTION	yes	100%	3.00	7.00	.00	10.00	3.00	7.00	.00	10.00

Type of Library	Pres. Unit Prof. Staff 3	Pres. Unit Support Staff 4	Pres. Unit Student Assist. 5	Pres. Unit Total Staff 6	Library Wide Prof. Staff 7	Library Wide Support Staff 8	Library Wide Student Assist. 9	Library Wide Total Staff 10
University								
Sum	156.37	452.01	171.18	779.56	269.22	888.71	375.89	1533.82
Nonuniversity								
Sum	71.25	203.50	2.50	277.25	110.10	225.57	10.05	345.72
TOTAL								
Sum	227.62	655.51	173.68	1056.81	379.32	1114.28	385.94	1879.54

TABLE II: EXPENDITURES

INSTITUTION	Total Salaries & Wages 1	Contract Conserv. 2	Contract Binding 3	Contract Preserv. Photocop. 4	Contract Preserv. Microfilm 5	Other Contract Expend. 6	Total Contract Expend. 7	Supplies 8
ALABAMA	$104,727	$0	$236,696	$0	$0	$0	$236,696	$10,240
ALBERTA	.	.	.	.	.	.	.	.
ARIZONA	*	$1,500	$265,011	$0	$0	$5,509	$272,020	$23,550
ARIZONA STATE	$130,717	$0	$196,790	$0	$0	$0	$196,790	$5,100
AUBURN	$169,081	$1,399	$102,571	$0	$2,977	$0	$106,947	$15,263
BOSTON	$162,290	$0	$191,674	$0	$0	$0	$191,674	$13,000
BRIGHAM YOUNG	$268,865	$0	$193,559	$0	$0	$0	$193,559	$34,532
BRITISH COLUMBIA	$231,049	$0	$149,486	$0	$6,948	$0	$156,434	$6,870
BROWN	$634,462	$9,446	$209,730	$3,720	$30	$0	$222,926	$37,647
CALIFORNIA, BERKELEY	$1,008,622	$0	$764,589	$59,011	$209,848	$6,109	$1,039,557	$18,397
CALIFORNIA, DAVIS	$197,810	$0	$187,209	$0	$75,399	$0	$262,608	$1,911
CALIFORNIA, IRVINE	$210,620	$0	$193,724	$0	$5,032	$0	$198,756	$1,000
CALIFORNIA, LOS ANGELES	$332,640	$36,159	$593,182	$5,011	$16,593	$9,314	$660,259	$65,377
CALIFORNIA, RIVERSIDE	.	.	.	.	.	.	.	.
CALIFORNIA, SAN DIEGO	$375,939	$7,205	$311,480	$2,254	$4,267	$773	$325,979	$31,103
CALIFORNIA, SANTA BARBARA	$144,000	$0	$168,037	$0	$0	$0	$168,037	$40,345
CASE WESTERN RESERVE	$98,468	$1,012	$97,030	$2,468	$0	$631	$101,141	$8,079
CHICAGO	$551,182	$79,033	$393,118	$3,250	$19,234	$385	$495,020	$17,975
CINCINNATI	$153,592	$0	$128,518	$0	$0	$0	$128,518	$10,294
COLORADO	$266,177	$0	$192,130	$4,527	$0	$0	$196,657	$2,000
COLORADO STATE	$210,318	$0	$160,000	$789	$2,789	$0	$163,578	$7,068
COLUMBIA	$994,573	$2,325	$712,758	$19,452	$312,717	$104,551	$1,151,803	$27,912
CONNECTICUT	$356,505	$25,242	$301,473	$0	$0	$16,600	$343,315	$25,380
CORNELL	$776,159	$0	$77,323	$23,616	$35,310	$77,880	$214,129	$23,282
DARTMOUTH	$158,092	$3,275	$208,201	$70	$0	$0	$211,546	$24,804
DELAWARE	$210,881	$4,200	$115,404	$8,264	$29,225	$1,585	$158,678	$10,825
DUKE	$176,957	$1,270	$246,362	$0	$0	$0	$247,632	$32,050
EMORY	$237,340	$0	$187,291	$928	U/A	$0	$188,219	$12,650
FLORIDA	$356,320	$8,828	$227,975	$0	$6,983	$20,558	$264,344	$13,792
FLORIDA STATE	$159,011	U/A	$219,425	$0	$0	$0	$219,425	$2,860
GEORGETOWN	$236,526	$4,030	$220,494	$90,708	$0	$0	$315,232	$8,115
GEORGIA	$267,924	$0	$263,516	$0	$0	$0	$263,516	$37,763
GEORGIA TECH	*	$0	$79,713	$0	$0	$0	$79,713	$0
GUELPH	$96,597	$2,047	$74,842	$0	$15,208	$0	$92,097	$6,367
HARVARD	$1,977,605	$221,206	$952,411	$107,885	$347,832	$74,374	$1,703,708	$134,590
HAWAII	$206,768	$0	$173,552	$0	$18,560	$9,750	$201,862	$21,388
HOUSTON	$72,669	$0	$106,917	$0	$0	$0	$106,917	$3,251
HOWARD	.	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	*	$0	$132,339	$0	$0	$0	$132,339	$6,200
ILLINOIS, URBANA	$538,771	$0	$327,705	$0	$110,034	$1,857	$439,596	$34,964
INDIANA	$440,611	$0	$324,296	$245	$27,664	U/A	$352,205	$29,773
IOWA	$301,039	$0	$213,212	$0	$48,578	$0	$261,790	$1,443
IOWA STATE	$128,873	$5,870	$162,895	$11,721	$428	$0	$180,914	$14,023
JOHNS HOPKINS	$240,484	$0	$128,154	$0	$10,000	$460	$138,614	$14,879
KANSAS	$245,594	$5,371	$195,963	$10,855	$0	$0	$212,189	$12,897

*Salary figures not published when fewer than four indivuduals involved.

TABLE II: EXPENDITURES

Equipment 9	Total Preserv. Expend. 10	Preserv. Exp. from External Sources 11	Library Expend. (from ARL Statistics) 12	Preserv. as % of Total Library Expend. 13	Materials Expend. (from ARL Statistics) 14	Preserv. as % of Total Materials Expend. 15	INSTITUTION
$0	$351,663	$0	8,539,134	4%	$3,158,503	11%	ALABAMA
.	.	.	17,622,878	.	$6,959,927	.	ALBERTA
$0	$333,570	$0	18,752,887	2%	$7,284,160	5%	ARIZONA
$0	$332,607	$0	19,155,280	2%	$6,972,105	5%	ARIZONA STATE
$4,809	$296,100	$0	8,272,354	4%	$3,434,125	9%	AUBURN
$0	$366,964	$0	12,338,206	3%	$4,216,387	9%	BOSTON
U/A	$496,956	$0	12,985,681	4%	$4,625,350	11%	BRIGHAM YOUNG
$0	$394,352	$20,425	20,052,667	2%	$7,004,396	6%	BRITISH COLUMBIA
$1,176	$896,211	$9,513	13,314,756	7%	$4,256,138	21%	BROWN
$1,426	$2,068,002	$401,052	34,293,434	6%	$9,985,658	21%	CALIFORNIA, BERKELEY
$0	$462,329	$75,399	16,155,660	3%	$6,323,446	7%	CALIFORNIA, DAVIS
$2,200	$412,576	$0	13,870,378	3%	$4,395,520	9%	CALIFORNIA, IRVINE
$1,074	$1,059,350	$0	37,384,937	3%	$9,502,100	11%	CALIFORNIA, LOS ANGELES
.	.	.	8,300,639	.	$3,249,826	.	CALIFORNIA, RIVERSIDE
$18,000	$751,021	$0	17,865,595	4%	$5,718,491	13%	CALIFORNIA, SAN DIEGO
$0	$352,382	$0	12,492,592	3%	$3,391,780	10%	CALIFORNIA, SANTA BARBARA
$1,198	$208,886	$0	9,822,453	2%	$4,012,726	5%	CASE WESTERN RESERVE
$8,223	$1,072,400	$152,623	20,906,976	5%	$7,754,976	14%	CHICAGO
$0	$292,404	$0	13,616,852	2%	$5,331,883	5%	CINCINNATI
$995	$465,829	$0	15,576,781	3%	$7,564,265	6%	COLORADO
$3,478	$384,442	$0	9,546,112	4%	$4,029,523	10%	COLORADO STATE
$1,979	$2,176,267	$930,202	28,917,183	8%	$9,630,835	23%	COLUMBIA
$400	$725,600	$0	15,682,284	5%	$4,763,339	15%	CONNECTICUT
$35,825	$1,049,395	$992,320	27,603,034	4%	$9,159,829	11%	CORNELL
$11,705	$406,147	$7,898	10,991,740	4%	$4,336,681	9%	DARTMOUTH
$2,683	$383,067	$67,554	11,151,864	3%	$4,783,698	8%	DELAWARE
$5,100	$461,739	$9,000	21,742,656	2%	$8,023,516	6%	DUKE
$1,264	$439,473	$9,440	18,165,894	2%	$7,097,722	6%	EMORY
$52,000	$686,456	$60,048	16,840,598	4%	$6,467,004	11%	FLORIDA
$0	$381,296	$0	9,629,236	4%	$4,385,202	9%	FLORIDA STATE
$30	$559,903	$0	16,135,696	3%	$5,844,383	10%	GEORGETOWN
$24,037	$593,240	$23,000	16,125,303	4%	$6,735,604	9%	GEORGIA
$0	$131,963	$0	7,736,966	2%	$3,502,671	4%	GEORGIA TECH
$0	$195,061	$15,208	6,647,294	3%	$2,277,516	9%	GUELPH
$7,242	$3,823,145	$711,093	67,271,257	6%	$15,835,910	24%	HARVARD
$2,350	$432,368	$0	10,046,787	4%	$3,041,572	14%	HAWAII
$0	$182,837	$0	10,485,426	2%	$4,102,070	4%	HOUSTON
.	.	.	9,254,816	.	$3,731,366	.	HOWARD
$0	$213,956	$0	14,085,898	2%	$5,248,983	4%	ILLINOIS, CHICAGO
$2,125	$1,015,456	$185,225	23,934,783	4%	$7,788,533	13%	ILLINOIS, URBANA
$6,725	$829,314	$42,625	22,965,123	4%	$7,977,911	10%	INDIANA
$645	$564,917	$91,179	17,423,528	3%	$6,345,483	9%	IOWA
$47,187	$370,997	$0	13,417,884	3%	$5,042,111	7%	IOWA STATE
$0	$393,977	$22,012	19,343,986	2%	$7,655,416	5%	JOHNS HOPKINS
$2,763	$473,443	$500	14,640,696	3%	$5,256,347	9%	KANSAS

TABLE II: EXPENDITURES

INSTITUTION	Total Salaries & Wages 1	Contract Conserv. 2	Contract Binding 3	Contract Preserv. Photocop. 4	Contract Preserv. Microfilm 5	Other Contract Expend. 6	Total Contract Expend. 7	Supplies 8
KENT STATE	$68,878	U/A	$104,195	U/A	U/A	$2,162	$106,357	$10,000
KENTUCKY	$374,630	$1,205	$151,094	$0	$0	$11,050	$163,349	$38,567
LAVAL	$214,091	$0	$17,153	$0	$441	$0	$17,594	$58,653
LOUISIANA STATE	$109,000	$540	$98,973	$0	$0	$0	$99,513	$51,118
MCGILL	*	$0	$195,416	$0	$0	$0	$195,416	$0
MCMASTER	*	$0	$66,783	$13,425	$0	$0	$80,208	$11,560
MANITOBA	$110,228	$0	$96,926	$0	$4,449	$0	$101,376	$4,768
MARYLAND	$464,100	$22,601	$186,195	$7,099	$5,000	$4,695	$225,590	$22,990
MASSACHUSETTS	$90,029	$0	$123,006	$80	$124	$0	$123,210	$5,811
MIT	$317,280	$0	$182,938	$1,330	$0	$0	$184,268	$19,220
MIAMI	$258,241	$0	$135,803	$0	$0	$0	$135,803	$8,100
MICHIGAN	$838,502	$4,971	$291,413	$6,800	$247,168	$8,608	$558,960	$72,247
MICHIGAN STATE	$266,608	$5,942	$281,710	$4,606	$25,170	$20,526	$337,954	$39,636
MINNESOTA	$311,131	$0	$411,360	$0	$0	$0	$411,360	$14,252
MISSOURI	$84,654	$1,821	$135,000	$0	$0	$0	$136,821	$4,323
NEBRASKA	$283,792	$5,392	$156,195	$0	$25,489	$0	$187,076	$16,045
NEW MEXICO	$258,975	$0	$179,925	$0	$34,446	$0	$214,371	$12,470
NEW YORK	$518,431	$7,200	$638,931	$10,689	$56,553	$0	$713,373	$18,377
NORTH CAROLINA	$449,219	$0	$219,882	$0	$0	$0	$219,882	$32,483
NORTH CAROLINA STATE	$228,470	$1,800	$118,981	$0	$0	$0	$120,781	$9,570
NORTHWESTERN	$452,983	$6,000	$185,313	$23,252	$74,381	$39,945	$328,891	$24,638
NOTRE DAME	$301,363	$0	$130,697	$9,159	$128,990	$4,616	$273,462	$21,508
OHIO	$236,352	$0	$87,043	$0	$0	$440	$87,483	$11,666
OHIO STATE	$529,690	$5,000	$246,311	$19,959	$49,470	$1,574	$322,314	$26,646
OKLAHOMA	*	$0	$97,004	$1,202	$0	$0	$98,206	$2,787
OKLAHOMA STATE	$51,060	$0	$106,888	$0	$0	$0	$106,888	$6,355
OREGON	$244,890	$120	$141,299	$0	$0	$0	$141,419	$78,824
PENNSYLVANIA	$296,495	$15,475	$297,781	$18,039	$244	$3,000	$334,539	$13,996
PENNSYLVANIA STATE	$201,843	$36,159	$476,401	$0	$44,480	$0	$557,040	$31,991
PITTSBURGH	$102,214	$3,048	$260,449	$19,843	$8,667	$0	$292,007	$11,006
PRINCETON	$598,339	$400	$534,987	$111,037	$62,838	$6,958	$716,220	$76,735
PURDUE	$121,140	$0	$109,597	$0	$0	$0	$109,597	$500
QUEEN'S	*	$0	$109,594	$0	$0	$0	$109,594	$2,324
RICE	$139,150	$0	$55,300	$0	$0	$0	$55,300	$17,068
RUCHESTER	$220,363	$5,940	$93,865	$32,428	$39,204	$13,596	$185,033	$20,037
RUTGERS	$233,763	$0	$251,279	$0	$0	$0	$251,279	$5,564
SASKATCHEWAN	$97,989	$0	$64,197	$0	$0	$0	$64,197	$0
SOUTH CAROLINA	$164,018	$0	$188,556	$0	$10,000	$0	$198,556	$26,000
SOUTHERN CALIFORNIA	$116,418	$0	$249,427	$0	$21,728	$0	$271,155	$26,084
SOUTHERN ILLINOIS	$121,088	$0	$178,037	$4,348	$0	$0	$182,385	$11,478
STANFORD	$1,341,320	$32,252	$594,828	$0	$413,928	$17,775	$1,058,783	$75,853
SUNY-ALBANY	$151,513	$3,845	$79,848	$188	$4,743	$2,640	$91,264	$3,401
SUNY-BUFFALO	$401,242	$0	$149,123	$0	$0	$22,270	$171,393	$30,182
SUNY-STONY BROOK	$196,225	$0	$84,000	$3,864	$1,086	$0	$88,950	$19,017
SYRACUSE	$211,722	$0	$85,504	$0	$17,661	$0	$103,165	$20,779

*Salary figures not published when fewer than four indivuduals involved.

TABLE II: EXPENDITURES

Equipment 9	Total Preserv. Expend. 10	Preserv. Exp. from External Sources 11	Library Expend. (from ARL Statistics) 12	Preserv. as % of Total Library Expend. 13	Materials Expend. (from ARL Statistics) 14	Preserv. as % of Total Materials Expend. 15	INSTITUTION
$0	$185,235	$0	9,712,757	2%	$2,864,561	6%	KENT STATE
$1,743	$578,289	$0	15,081,506	4%	$4,892,045	12%	KENTUCKY
$1,631	$291,969	$0	12,281,877	2%	$4,671,430	6%	LAVAL
$2,500	$262,131	$0	8,760,005	3%	$3,358,379	8%	LOUISIANA STATE
$0	$224,609	$0	13,482,730	2%	$4,823,580	5%	MCGILL
$0	$175,878	$0	8,725,065	2%	$3,561,900	5%	MCMASTER
$0	$216,373	$0	8,927,252	2%	$2,575,068	8%	MANITOBA
$1,860	$714,540	$31,458	15,719,663	5%	$5,333,350	13%	MARYLAND
$0	$219,050	$6,293	10,769,749	2%	$4,108,093	5%	MASSACHUSETTS
$5,700	$526,468	$0	11,554,114	5%	$3,637,605	14%	MIT
$0	$402,144	$0	13,380,873	3%	$5,357,772	8%	MIAMI
$41,411	$1,511,120	$409,024	33,101,829	5%	$12,572,215	12%	MICHIGAN
$16,963	$661,161	$45,696	15,029,566	4%	$5,531,455	12%	MICHIGAN STATE
$300	$737,043	$80,544	26,696,015	3%	$8,789,784	8%	MINNESOTA
$0	$225,798	$1,821	12,468,461	2%	$5,126,482	4%	MISSOURI
$4,356	$491,269	$40,697	10,885,813	5%	$4,926,550	10%	NEBRASKA
$0	$485,816	$156,083	16,820,232	3%	$4,563,672	11%	NEW MEXICO
$9,898	$1,260,079	$202,270	22,847,502	6%	$7,276,221	17%	NEW YORK
$3,466	$705,050	$95,092	22,030,930	3%	$8,614,336	8%	NORTH CAROLINA
$18,030	$376,851	$0	13,528,175	3%	$5,681,248	7%	NORTH CAROLINA STATE
$1,731	$808,243	$78,631	17,272,299	5%	$6,471,391	12%	NORTHWESTERN
$100,526	$696,859	$269,035	12,936,200	5%	$6,018,741	12%	NOTRE DAME
$4,000	$339,501	$15,000	11,082,226	3%	$3,636,202	9%	OHIO
$21,329	$899,979	$85,985	20,733,898	4%	$7,900,326	11%	OHIO STATE
$0	$123,970	$0	9,062,040	1%	$4,118,249	3%	OKLAHOMA
$0	$164,303	$0	8,344,677	2%	$3,488,367	5%	OKLAHOMA STATE
$0	$465,133	$0	11,118,319	4%	$4,848,267	10%	OREGON
$4,050	$649,080	$0	24,241,866	3%	$8,015,076	8%	PENNSYLVANIA
$400	$791,274	$42,423	24,039,187	3%	$8,045,636	10%	PENNSYLVANIA STATE
$22,950	$428,177	$0	19,366,751	2%	$7,510,167	6%	PITTSBURGH
$19,563	$1,410,857	$221,581	25,277,041	6%	$9,782,213	14%	PRINCETON
$0	$231,237	$0	11,943,093	2%	$4,883,768	5%	PURDUE
$0	$168,461	$0	9,770,937	2%	$3,880,303	4%	QUEEN'S
$0	$211,518	$0	8,778,724	2%	$4,710,551	4%	RICE
$6,575	$432,008	$156,488	10,161,137	4%	$4,153,212	10%	ROCHESTER
$852	$491,458	$0	24,494,063	2%	$7,199,786	7%	RUTGERS
$0	$162,186	$0	8,771,183	2%	$4,168,626	4%	SASKATCHEWAN
$0	$388,574	$85,000	13,455,071	3%	$4,701,778	8%	SOUTH CAROLINA
$903	$414,560	$0	20,560,601	2%	$6,958,495	6%	SOUTHERN CALIFORNIA
$0	$314,951	$0	10,557,991	3%	$4,784,989	7%	SOUTHERN ILLINOIS
$36,159	$2,512,115	$221,373	42,424,434	6%	$13,587,712	18%	STANFORD
$9,095	$255,273	$113,450	8,227,613	3%	$3,175,138	8%	SUNY-ALBANY
$0	$602,817	$113,450	13,583,223	4%	$4,653,346	13%	SUNY-BUFFALO
$0	$304,192	$4,834	10,140,289	3%	$3,901,705	8%	SUNY-STONY BROOK
$6,100	$341,766	$153,305	10,157,983	3%	$3,541,454	10%	SYRACUSE

TABLE II: EXPENDITURES

INSTITUTION	Total Salaries & Wages 1	Contract Conserv. 2	Contract Binding 3	Contract Preserv. Photocop. 4	Contract Preserv. Microfilm 5	Other Contract Expend. 6	Total Contract Expend. 7	Supplies 8
TEMPLE	$195,472	$118,649	$158,508	$0	$0	$0	$277,157	$4,084
TENNESSEE	$232,095	$0	$129,584	$217	$2,228	$0	$132,029	$1,500
TEXAS	$766,509	$3,797	$207,938	$1,726	$133,338	$0	$346,799	$59,577
TEXAS A&M	$198,565	$163	$122,567	$0	$0	$0	$122,730	$16,301
TORONTO	$699,090	$0	$288,923	$0	$6,905	$0	$295,828	-$1
TULANE	$85,270	$0	$88,922	$0	$7,336	$0	$96,258	$21,656
UTAH	$195,020	U/A	$164,041	U/A	$14,185	U/A	$178,226	$45,639
VANDERBILT	$196,312	$0	$195,037	$0	$0	$0	$195,037	$6,038
VIRGINIA	$199,413	$0	$322,784	$12,000	$0	$0	$334,784	$0
VPI & SU	$126,635	$0	$174,651	$0	$0	$0	$174,651	$24 282
WASHINGTON	$354,735	$3,292	$224,885	$0	$43,868	$3,000	$275,045	$29,015
WASHINGTON STATE	$139,738	$0	$96,950	$0	$2,346	$0	$99,296	$2,452
WASHINGTON U.-ST. LOUIS	$120,426	$0	$61,756	$357	$245	$1,234	$63,592	$7,692
WATERLOO	$105,549	$1,517	$62,548	$0	$0	$0	$64,064	$3,739
WAYNE STATE	$144,275	$459	$122,200	$0	$0	$0	$122,659	$5,380
WESTERN ONTARIO	$164,333	$0	$140,365	$0	$0	$0	$140,365	$1,836
WISCONSIN	$552,281	$2,295	$194,504	$6,290	$0	$9,140	$212,229	$107,024
YALE	$1,132,977	$18,392	$451,000	$39,153	$140,976	$25,453	$674,974	$104,746
YORK	*	$891	$141,229	$0	$0	$0	$142,120	$3,335
BOSTON PUBLIC LIBRARY	$355,771	$0	$54,942	$0	$27,289	$0	$82,231	$8,000
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	$110,083	$0	$0	$0	$144,958	$28,693	$173,651	$1,775
LIBRARY OF CONGRESS	$6,688,947	$15,000	$1,578,803	$41,737	$0	$0	$1,635,540	$380,750
LINDA HALL LIBRARY	U/A	$1,700	$60,000	$0	$0	$0	$61,700	$1,381
NATL. AGRICULTURAL LIB.	*	$0	$64,258	$0	$0	$115,515	$179,773	$15,000
NATL. LIBRARY OF CANADA	$641,904	$0	$2,552	$0	$83,567	$35,106	$121,225	$131,636
NATL. LIBRARY OF MEDICINE	$642,034	$80,286	$140,000	$8,127	$462,564	$249,385	$940,362	$23,086
NEW YORK PUBLIC LIBRARY	$1,465,559	$16,790	$419,605	$11,374	$288,109	$0	$735,878	$143,511
NEW YORK STATE LIBRARY	$255,719	$0	$39,969	$0	$0	$0	$39,969	$27,160
SMITHSONIAN INSTITUTION	$303,552	$0	$47,683	$11,588	$30,000	$5,883	$95,154	$9,819

Type of Library	Total Salaries & Wages 1	Contract Conserv. 2	Contract Binding 3	Contract Preserv. Photocop. 4	Contract Preserv. Microfilm 5	Other Contract Expend. 6	Total Contract Expend. 7	Supplies 8
University								
Sum	$31,252,692	$728,584	$22,384,355	$701,865	$2,933,343	$529,018	$27,277,164	$2,307,885
Nonuniversity								
Sum	$10,491,986	$113,776	$2,407,812	$72,826	$1,036,487	$434,582	$4,065,483	$742,118
TOTAL								
Sum	$41,744,678	$842,360	$24,792,167	$774,691	$3,969,830	$963,600	$31,342,647	$3,050,003

*Salary figures not published when fewer than four individuals involved.

TABLE II: EXPENDITURES

Equipment 9	Total Preserv. Expend. 10	Preserv. Exp. from External Sources 11	Library Expend. (from ARL Statistics) 12	Preserv. as % of Total Library Expend. 13	Materials Expend. (from ARL Statistics) 14	Preserv. as % of Total Materials Expend. 15	INSTITUTION
$0	$476,713	$0	11,586,124	4%	$4,709,398	10%	TEMPLE
$0	$365,624	$0	12,627,672	3%	$4,975,353	7%	TENNESSEE
$0	$1,172,885	$223,577	22,808,245	5%	$7,128,615	16%	TEXAS
$14,880	$352,476	$0	16,414,550	2%	$6,162,606	6%	TEXAS A&M
U/A	$994,918	$6,905	30,587,234	3%	$10,063,511	10%	TORONTO
$0	$203,184	$0	9,559,005	2%	$4,343,554	5%	TULANE
$1,025	$419,910	$4,769	14,977,554	3%	$5,625,839	7%	UTAH
$0	$397,387	$0	14,287,980	3%	$5,273,836	8%	VANDERBILT
$0	$534,197	$0	19,893,696	3%	$7,667,486	7%	VIRGINIA
$0	$325,568	$0	10,981,470	3%	$5,188,268	6%	VPI & SU
$0	$668,795	$0	24,650,961	3%	$9,128,097	7%	WASHINGTON
$768	$242,254	$0	9,568,501	3%	$3,579,743	7%	WASHINGTON STATE
$0	$191,710	$1,893	16,324,638	1%	$6,348,160	3%	WASHINGTON U.-ST. LOUIS
$0	$173,353	$0	8,867,830	2%	$3,352,852	5%	WATERLOO
$0	$272,314	$0	13,900,575	2%	$4,954,820	5%	WAYNE STATE
$0	$306,534	$0	12,002,400	3%	$4,391,205	7%	WESTERN ONTARIO
$20,774	$892,308	$138,908	28,003,243	3%	$8,040,673	11%	WISCONSIN
$36,188	$1,948,885	$108,804	37,949,600	5%	$13,353,000	15%	YALE
$0	$213,664	$0	14,350,322	1%	$3,843,924	6%	YORK
$0	$446,002	$0	31,944,023	1%	$6,758,629	7%	BOSTON PUBLIC LIBRARY
.	.	.	22,538,777	.	$6,333,239	.	CANADA INST. FOR SCITECH.
$0	$285,509	$32,120	3,245,180	9%	$971,742	29%	CENTER FOR RESEARCH LIBS.
$61,840	$8,767,077	$52,500	275,792,467	3%	$6,792,498	129%	LIBRARY OF CONGRESS
$0	$63,081	$0	4,491,639	1%	$2,114,295	3%	LINDA HALL LIBRARY
$75,000	$298,190	$0	17,385,121	2%	$2,460,503	12%	NATL. AGRICULTURAL LIB.
$381	$895,146	$574,826	24,802,074	4%	$1,622,890	55%	NATL. LIBRARY OF CANADA
$47,664	$1,653,146	$0	27,488,156	6%	$5,062,071	33%	NATL. LIBRARY OF MEDICINE
$45,016	$2,389,964	$912,879	41,677,012	6%	$9,538,493	25%	NEW YORK PUBLIC LIBRARY
$0	$322,848	$138,774	9,506,294	3%	$1,943,972	17%	NEW YORK STATE LIBRARY
$39,741	$448,266	$38,594	5,992,401	7%	$1,439,985	31%	SMITHSONIAN INSTITUTION

Type of Library	Equipment 9	Total Preserv. Expend. 10	Preserv. Exp. from External Sources 11	Library Expend. (from ARL Statistics) 12	Materials Expend. (from ARL Statistics) 14
University					
Sum	$662,365	$61,500,105	$6,930,705	1,788,752,745	$638,737,171
Nonuniversity					
Sum	$269,642	$15,569,229	$1,749,693	464,863,144	$45,038,317
TOTAL					
Sum	$932,006	$77,069,334	$8,680,398	2,253,615,890	$683,775,488

TABLE III: CONSERVATION TREATMENT

INSTITUTION	Volumes: Level 1 Treatment Contract 1	Volumes: Level 1 Treatment In-house 2	Volumes: Level 2 Treatment Contract 3	Volumes: Level 2 Treatment In-house 4	Volumes: Level 3 Treatment Contract 5	Volumes: Level 3 Treatment In-house 6	Total Volumes Treated Contract 7
ALABAMA	0	3,053	0	31	0	19	0
ALBERTA	.	.	.	.	.	.	.
ARIZONA	0	3,888	0	538	0	0	0
ARIZONA STATE	0	10,831	0	18	45	126	45
AUBURN	0	1,872	0	4,403	0	1,756	0
BOSTON	0	766	0	77	0	654	0
BRIGHAM YOUNG	0	10,217	0	1,750	0	51	0
BRITISH COLUMBIA	0	11,285	0	3,313	0	85	0
BROWN	0	4,007	0	524	99	131	99
CALIFORNIA, BERKELEY	0	U/A	0	6,269	0	253	0
CALIFORNIA, DAVIS	0	2,930	0	1,821	0	36	0
CALIFORNIA, IRVINE	0	1,961	0	733	0	491	0
CALIFORNIA, LOS ANGELES	96	3,053	0	6,056	258	1,240	354
CALIFORNIA, RIVERSIDE	.	.	.	.	.	.	.
CALIFORNIA, SAN DIEGO	0	5,458	0	617	0	22	0
CALIFORNIA, SANTA BARBARA	0	18,136	0	U/A	0	U/A	0
CASE WESTERN RESERVE	0	1,594	0	910	0	55	0
CHICAGO	0	2,490	0	244	61	16	61
CINCINNATI	0	2,619	0	1,648	0	71	0
COLORADO	0	4,812	0	141	0	10	0
COLORADO STATE	0	5,309	0	2,108	0	0	0
COLUMBIA	0	2,699	0	1,133	0	849	0
CONNECTICUT	0	9,123	0	4,046	0	212	0
CORNELL	0	37,490	0	2,322	0	152	0
DARTMOUTH	0	1,517	0	5,549	12	0	12
DELAWARE	0	1,070	0	6,129	11	134	11
DUKE	0	4,590	0	889	0	196	0
EMORY	0	3,565	0	1,119	0	5	0
FLORIDA	0	10,771	0	468	0	22	0
FLORIDA STATE	515	1,482	1,116	1,066	289	0	1,920
GEORGETOWN	0	1,071	0	223	10	0	10
GEORGIA	0	576	0	670	0	361	0
GEORGIA TECH	0	392	0	186	0	0	0
GUELPH	0	4,870	20	0	32	0	52
HARVARD	73	9,620	54	4,186	547	457	674
HAWAII	0	0	0	3,046	0	438	0
HOUSTON	0	675	0	130	0	0	0
HOWARD	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	U/A	U/A	U/A	U/A	U/A	U/A	U/A
ILLINOIS, URBANA	0	19,671	0	9,542	0	892	0
INDIANA	0	4,092	0	4,788	0	908	0
IOWA	0	3,586	0	1,568	0	51	0
IOWA STATE	0	2,739	0	878	14	0	14
JOHNS HOPKINS	100	10,552	0	1,643	0	82	100
KANSAS	0	13,728	0	1,071	0	38	0

TABLE III: CONSERVATION TREATMENT

Total Volumes Treated In-house 8	Sheets Treated Contract 9	Sheets Treated In-house 10	Non-paper Items Treated Contract 11	Non-paper Items Treated In-house 12	Protect. Enclos. Constr. Contract 13	Protect. Enclos. Constr. In-house 14	INSTITUTION
3,103	0	281	0	10	0	9	ALABAMA
.	.	.	.	.	.	.	ALBERTA
4,426	0	2,327	0	0	0	3,487	ARIZONA
10,975	2	161	0	0	0	0	ARIZONA STATE
8,031	0	186	0	0	0	263	AUBURN
1,497	0	0	0	0	0	673	BOSTON
12,018	0	72	0	5	0	448	BRIGHAM YOUNG
14,683	0	300	0	4	913	245	BRITISH COLUMBIA
4,662	0	309	0	0	929	1,078	BROWN
6,522	0	1,353	0	2	2,087	0	CALIFORNIA, BERKELEY
4,787	0	0	0	0	0	165	CALIFORNIA, DAVIS
3,185	0	0	0	0	0	0	CALIFORNIA, IRVINE
10,349	0	222	41	1,303	2,105	829	CALIFORNIA, LOS ANGELES
.	.	.	.	.	.	.	CALIFORNIA, RIVERSIDE
6,097	0	4,400	158	383	120	300	CALIFORNIA, SAN DIEGO
18,136	0	0	0	0	0	556	CALIFORNIA, SANTA BARBARA
2,559	0	69	0	0	137	49	CASE WESTERN RESERVE
2,750	0	88	0	0	365	77	CHICAGO
4,338	0	96	0	0	0	1,282	CINCINNATI
4,963	0	0	0	0	1,678	0	COLORADO
7,417	0	740	0	0	0	1	COLORADO STATE
4,681	3	2,743	0	0	925	0	COLUMBIA
13,381	0	699	0	2,741	2,217	499	CONNECTICUT
39,964	0	15	0	0	0	567	CORNELL
7,066	0	0	0	275	70	43	DARTMOUTH
7,333	0	235	0	3,380	344	1,582	DELAWARE
5,675	0	429	0	598	92	9,763	DUKE
4,689	0	48	0	400	52	1,381	EMORY
11,261	0	3,272	0	676	249	1,242	FLORIDA
2,548	0	0	0	0	0	0	FLORIDA STATE
1,294	0	0	0	69	0	0	GEORGETOWN
1,607	0	759	0	1,142	0	119	GEORGIA
578	0	0	0	0	0	0	GEORGIA TECH
4,870	13	5,761	34	10,138	0	0	GUELPH
14,263	10	4,361	197	8,202	24,841	13,967	HARVARD
3,484	0	0	0	1,529	0	255	HAWAII
805	0	0	0	0	0	2,745	HOUSTON
.	.	.	.	.	.	.	HOWARD
U/A	U/A	U/A	U/A	U/A	U/A	U/A	ILLINOIS, CHICAGO
30,105	0	7,614	0	2,408	115	1,833	ILLINOIS, URBANA
9,788	0	112	0	2,251	12	1,764	INDIANA
5,205	0	115	0	0	0	26	IOWA
3,617	0	0	0	0	0	93	IOWA STATE
12,277	0	480	0	0	12	12	JOHNS HOPKINS
14,837	0	72	0	0	854	2,724	KANSAS

TABLE III: CONSERVATION TREATMENT

INSTITUTION	Volumes: Level 1 Treatment Contract 1	Volumes: Level 1 Treatment In-house 2	Volumes: Level 2 Treatment Contract 3	Volumes: Level 2 Treatment In-house 4	Volumes: Level 3 Treatment Contract 5	Volumes: Level 3 Treatment In-house 6	Total Volumes Treated Contract 7
KENT STATE	732	5,441	0	71	0	0	732
KENTUCKY	0	8,915	0	2,412	0	23	0
LAVAL	0	10,7[illegible]	2,395	14,721	0	69	2,395
LOUISIANA STATE	0	6,837	0	1,148	0	0	0
MCGILL	0	0	0	0	0	0	0
MCMASTER	0	2,004	0	3,239	0	454	0
MANITOBA	0	1,775	0	355	0	14	0
MARYLAND	0	4,130	0	2,199	180	0	180
MASSACHUSETTS	0	1,377	0	31	0	20	0
MIT	0	4,235	0	1,589	0	56	0
MIAMI	0	5,803	93	3,850	0	261	93
MICHIGAN	0	14,163	0	2,471	0	163	0
MICHIGAN STATE	0	2,100	0	1,392	9	527	9
MINNESOTA	133	1,393	9	696	14	99	156
MISSOURI	0	4,615	0	0	4	0	4
NEBRASKA	0	756	0	3,706	1	0	1
NEW MEXICO	0	4,900	0	307	0	56	0
NEW YORK	5	5,674	30	1,095	0	305	35
NORTH CAROLINA	0	1,292	0	7,191	0	9	0
NORTH CAROLINA STATE	0	3,040	0	632	0	11	0
NORTHWESTERN	0	6,169	0	10,521	0	45	0
NOTRE DAME	0	581	0	1,646	0	1,689	0
OHIO	0	6,584	0	3,253	0	47	0
OHIO STATE	0	7,752	0	1,096	0	178	0
OKLAHOMA	0	2,248	0	1,482	0	0	0
OKLAHOMA STATE	0	4,830	0	48	0	0	0
OREGON	0	18,714	0	4,007	1	19	1
PENNSYLVANIA	0	1,650	0	250	13	0	13
PENNSYLVANIA STATE	0	3,360	0	55	542	6	542
PITTSBURGH	0	846	0	1,925	0	45	0
PRINCETON	0	4,643	0	2,065	0	269	0
PURDUE	0	44	0	211	0	21	0
QUEEN'S	0	2,568	0	598	0	0	0
RICE	0	11,908	0	761	0	9	0
ROCHESTER	0	14,120	0	3,182	2	53	2
RUTGERS	143	3,565	4	308	0	12	147
SASKATCHEWAN	0	0	0	7,345	0	0	0
SOUTH CAROLINA	U/A	U/A	0	U/A	0	U/A	U/A
SOUTHERN CALIFORNIA	0	9,300	0	6,039	0	0	0
SOUTHERN ILLINOIS	0	6,930	0	872	0	20	0
STANFORD	0	6,584	0	2,576	85	5	85
SUNY-ALBANY	0	13	0	1,188	0	2	0
SUNY-BUFFALO	0	2,192	0	8,095	0	0	0
SUNY-STONY BROOK	0	1,451	0	6,570	0	0	0
SYRACUSE	0	13,748	0	1,824	0	468	0

TABLE III: CONSERVATION TREATMENT

Total Volumes Treated In-house 8	Sheets Treated Contract 9	Sheets Treated In-house 10	Non-paper Items Treated Contract 11	Non-paper Items Treated In-house 12	Protect. Enclos. Constr. Contract 13	Protect. Enclos. Constr. In-house 14	INSTITUTION
5,512	0	U/A	0	U/A	0	36	KENT STATE
11,350	0	870	0	14	39	1,156	KENTUCKY
25,506	0	703	0	0	0	122	LAVAL
7,985	0	10,000	0	1,641	0	286	LOUISIANA STATE
0	0	0	0	0	0	0	MCGILL
5,697	0	5,500	0	0	0	1,476	MCMASTER
2,144	0	775	0	0	0	1,057	MANITOBA
6,329	979	0	169	0	163	1,851	MARYLAND
1,428	0	7	0	1,284	62	55	MASSACHUSETTS
5,880	0	0	0	0	0	583	MIT
9,914	0	0	0	0	0	482	MIAMI
16,797	0	108	0	100	676	269	MICHIGAN
4,019	0	28	0	0	0	10	MICHIGAN STATE
2,188	19	250	75	0	1,991	56	MINNESOTA
4,615	100	0	0	0	768	0	MISSOURI
4,462	0	U/A	0	0	205	769	NEBRASKA
5,263	0	356	0	103	0	1,706	NEW MEXICO
7,074	0	43,132	0	0	0	5,895	NEW YORK
8,492	0	1,788	0	841	665	2,205	NORTH CAROLINA
3,683	0	2	0	0	96	58	NORTH CAROLINA STATE
16,735	0	457	0	5	0	3,938	NORTHWESTERN
3,916	0	4	0	4,000	0	669	NOTRE DAME
9,884	0	0	0	0	0	72	OHIO
9,026	0	71	0	0	0	7,212	OHIO STATE
3,730	0	652	0	0	0	1,569	OKLAHOMA
4,878	0	0	0	0	0	48	OKLAHOMA STATE
22,740	0	13	0	500	1	605	OREGON
1,900	0	5,000	0	2,000	250	575	PENNSYLVANIA
3,421	1,552	259	353	121	441	2,229	PENNSYLVANIA STATE
2,816	0	12	0	0	389	22	PITTSBURGH
6,977	0	3,493	0	283	931	399	PRINCETON
276	0	0	0	0	0	5	PURDUE
3,166	0	369	0	9	0	1,168	QUEEN'S
12,678	0	599	0	350	0	409	RICE
17,355	0	267	0	0	2	2,165	ROCHESTER
3,885	0	749	0	4,255	44	973	RUTGERS
7,345	0	0	0	0	39	0	SASKATCHEWAN
U/A	0	U/A	0	U/A	0	U/A	SOUTH CAROLINA
15,339	0	0	0	0	0	135	SOUTHERN CALIFORNIA
7,822	0	0	0	0	19	1,188	SOUTHERN ILLINOIS
9,165	181	843	0	5,649	268	11,233	STANFORD
1,203	0	0	11	0	18	0	SUNY-ALBANY
10,287	0	168	0	29	0	85	SUNY-BUFFALO
8,021	0	394	0	0	0	491	SUNY-STONY BROOK
16,040	0	0	0	0	0	1,549	SYRACUSE

TABLE III: CONSERVATION TREATMENT

INSTITUTION	Volumes: Level 1 Treatment Contract 1	Volumes: Level 1 Treatment In-house 2	Volumes: Level 2 Treatment Contract 3	Volumes: Level 2 Treatment In-house 4	Volumes: Level 3 Treatment Contract 5	Volumes: Level 3 Treatment In-house 6	Total Volumes Treated Contract 7
TEMPLE	0	1,257	0	75	0	0	0
TENNESSEE	0	2,240	0	240	0	0	0
TEXAS	0	29,670	0	1,208	208	275	208
TEXAS A&M	0	1,101	0	1,505	1	6	1
TORONTO	0	15,897	0	4,960	0	34	0
TULANE	0	1,052	0	568	0	0	0
UTAH	0	3,399	0	1,199	0	407	0
VANDERBILT	90	994	0	1,329	0	22	90
VIRGINIA	0	11,655	0	579	0	0	0
VPI & SU	0	2,261	0	2,035	0	0	0
WASHINGTON	0	8,790	0	709	2	462	2
WASHINGTON STATE	0	387	0	1,185	0	147	0
WASHINGTON U.-ST. LOUIS	0	7,404	0	1,725	0	0	0
WATERLOO	0	300	0	0	3	0	3
WAYNE STATE	0	2,158	0	90	0	0	0
WESTERN ONTARIO	0	150	0	150	0	776	0
WISCONSIN	0	9,172	0	3,853	0	290	0
YALE	1	19,873	832	3,962	46	442	879
YORK	0	0	0	0	0	0	0
BOSTON PUBLIC LIBRARY	0	100	0	3,385	0	1,215	0
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	0	0	0	0	0	0	0
LIBRARY OF CONGRESS	0	3,430	0	228	0	555	0
LINDA HALL LIBRARY	0	17,105	0	309	2	128	2
NATL. AGRICULTURAL LIB.	0	0	0	0	0	0	0
NATL. LIBRARY OF CANADA	0	U/A	0	U/A	0	U/A	0
NATL. LIBRARY OF MEDICINE	5	4,230	65	140	67	23	137
NEW YORK PUBLIC LIBRARY	0	357	0	487	60	237	60
NEW YORK STATE LIBRARY	0	8,834	0	1,336	0	0	0
SMITHSONIAN INSTITUTION	0	92	0	12	0	48	0

Type of Library	Volumes: Level 1 Treatment Contract 1	Volumes: Level 1 Treatment In-house 2	Volumes: Level 2 Treatment Contract 3	Volumes: Level 2 Treatment In-house 4	Volumes: Level 3 Treatment Contract 5	Volumes: Level 3 Treatment In-house 6	Total Volumes Treated Contract 7
University							
Sum	1,888	574,886	4,553	220,247	2,489	17,629	8,930
Nonuniversity							
Sum	5	34,148	65	6,005	129	2,206	199
TOTAL							
Sum	1,893	609,034	4,618	226,252	2,618	19,835	9,129

TABLE III: CONSERVATION TREATMENT

Total Volumes Treated In-house 8	Sheets Treated Contract 9	Sheets Treated In-house 10	Non-paper Items Treated Contract 11	Non-paper Items Treated In-house 12	Protect. Enclos. Constr. Contract 13	Protect. Enclos. Constr. In-house 14	INSTITUTION
1,332	0	38	0	3,005	0	41	TEMPLE
2,480	0	0	0	0	0	0	TENNESSEE
31,153	107	4,857	0	4,833	141	3,039	TEXAS
2,612	0	1,274	0	221	0	1,524	TEXAS A&M
20,891	0	1,591	0	412	0	3,424	TORONTO
1,620	0	0	0	0	0	1,067	TULANE
5,005	0	1,705	0	115	633	47	UTAH
2,345	0	0	0	0	372	358	VANDERBILT
12,234	0	0	0	0	0	409	VIRGINIA
4,296	0	3,000	0	200	0	0	VPI & SU
9,961	0	40	95	0	0	169	WASHINGTON
1,719	0	36	0	27,732	0	110	WASHINGTON STATE
9,129	0	171	0	0	22	579	WASHINGTON U.-ST. LOUIS
300	90	0	0	0	0	0	WATERLOO
2,248	0	114	0	0	42	26	WAYNE STATE
1,075	0	0	0	0	0	0	WESTERN ONTARIO
13,315	0	10	0	126	237	352	WISCONSIN
24,277	0	8,044	125	370	665	1,996	YALE
0	0	0	0	0	0	0	YORK
4,700	0	0	0	0	0	256	BOSTON PUBLIC LIBRARY
.	.	.	.	.	.	.	CANADA INST. FOR SCITECH.
0	0	0	0	0	0	0	CENTER FOR RESEARCH LIBS.
4,213	0	6,168	88	0	0	8,769	LIBRARY OF CONGRESS
17,542	0	0	0	0	0	79	LINDA HALL LIBRARY
0	0	0	0	0	0	0	NATL. AGRICULTURAL LIB.
55,464	0	0	0	0	0	0	NATL. LIBRARY OF CANADA
4,393	28	0	177	0	7	U/A	NATL. LIBRARY OF MEDICINE
1,081	0	14,379	0	204	95	10,925	NEW YORK PUBLIC LIBRARY
10,170	0	610	0	0	0	607	NEW YORK STATE LIBRARY
260	0	180	0	0	1,411	28	SMITHSONIAN INSTITUTION

Type of Library	Total Volumes Treated In-house 8	Sheets Treated Contract 9	Sheets Treated In-house 10	Non-paper Items Treated Contract 11	Non-paper Items Treated In-house 12	Protect. Enclos. Constr. Contract 13	Protect. Enclos. Constr. In-house 14
University							
Sum	812,762	3,056	135,068	1,258	93,714	47,296	116,029
Nonuniversity							
Sum	97,823	28	21,337	265	204	1,513	20,664
TOTAL							
Sum	910,585	3,084	156,405	1,523	93,918	48,809	136,693

TABLE IV: PRESERVATION TREATMENT

INSTITUTION	BINDING Volumes Bound Contract 1	Bound Vols. & Pamphlets Mass-Deac. Contract 3	Bound Vols. & Pamphlets Mass-Deac. In-House 4	Lin. Feet of Manusc. Mass-Deac. Contract 5	Lin. Feet of Manusc. Mass-Deac. In-House 6	Pres. Phot. Entire Item Contract 7	Pres. Phot. Entire Item In-House 8
ALABAMA	11,702	0	0	0	0	0	0
ALBERTA	.	.	.	.	.	.	.
ARIZONA	27,337	0	0	0	0	0	50
ARIZONA STATE	37,442	0	0	0	0	0	11
AUBURN	17,568	0	0	0	0	0	3
BOSTON	14,878	0	0	0	0	0	0
BRIGHAM YOUNG	19,751	0	0	0	0	40	7
BRITISH COLUMBIA	31,171	0	0	0	0	0	41
BROWN	21,417	0	0	0	0	72	0
CALIFORNIA, BERKELEY	67,868	0	0	0	0	517	U/A
CALIFORNIA, DAVIS	17,598	0	0	0	0	0	0
CALIFORNIA, IRVINE	22,754	0	0	0	0	0	0
CALIFORNIA, LOS ANGELES	41,207	0	0	0	0	25	0
CALIFORNIA, RIVERSIDE	.	.	.	.	.	.	.
CALIFORNIA, SAN DIEGO	34,453	0	0	0	0	32	2
CALIFORNIA, SANTA BARBARA	16,627	0	0	0	0	0	0
CASE WESTERN RESERVE	12,025	47	0	0	10	23	43
CHICAGO	80,422	0	0	0	0	121	0
CINCINNATI	20,601	0	0	0	0	0	73
COLORADO	27,358	0	0	0	0	59	0
COLORADO STATE	16,198	0	0	0	0	10	8
COLUMBIA	86,201	100	0	0	0	345	0
CONNECTICUT	39,321	0	0	0	0	0	168
CORNELL	24,230	0	0	0	0	459	0
DARTMOUTH	18,128	0	0	0	0	2	0
DELAWARE	16,171	0	0	0	0	0	2,855
DUKE	34,078	0	0	0	0	0	562
EMORY	26,753	0	0	0	0	10	59
FLORIDA	28,193	0	0	0	0	0	131
FLORIDA STATE	26,941	0	0	0	0	0	0
GEORGETOWN	37,372	0	0	0	0	136	0
GEORGIA	52,828	0	0	0	0	0	20,195
GEORGIA TECH	11,059	0	0	0	0	0	0
GUELPH	12,025	0	0	0	0	4	40
HARVARD	75,952	0	0	0	0	2,532	49
HAWAII	16,650	0	0	0	0	0	31
HOUSTON	9,576	0	0	0	0	0	0
HOWARD	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	U/A	0	0	0	0	0	0
ILLINOIS, URBANA	40,519	0	0	0	0	0	500
INDIANA	59,940	0	0	0	0	2	82
IOWA	64,236	0	0	0	0	0	0
IOWA STATE	23,849	0	0	0	0	137	0
JOHNS HOPKINS	14,457	0	0	0	0	0	55
KANSAS	36,599	0	0	0	0	169	0

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TABLE IV: PRESERVATION TREATMENT

INSTITUTION	BINDING Volumes Bound Contract 1	Bound Vols. & Pamphlets Mass-Deac. Contract 3	Bound Vols. & Pamphlets Mass-Deac. In-House 4	Lin. Feet of Manusc. Mass-Deac. Contract 5	Lin. Feet of Manusc. Mass-Deac. In-House 6	Pres. Phot. Entire Item Contract 7	Pres. Phot. Entire Item In-House 8
KENT STATE	13,975	0	U/A	0	U/A	U/A	U/A
KENTUCKY	19,212	0	0	0	0	0	22
LAVAL	17,116	0	0	0	0	0	0
LOUISIANA STATE	11,731	0	0	0	0	0	0
MCGILL	24,887	0	0	0	0	0	0
MCMASTER	12,886	0	0	0	0	240	0
MANITOBA	10,647	0	0	0	0	0	0
MARYLAND	30,744	0	0	0	0	111	44
MASSACHUSETTS	15,253	0	0	0	0	1	3
MIT	18,900	0	0	0	0	28	0
MIAMI	11,510	0	0	0	0	0	160
MICHIGAN	41,452	0	0	0	0	67	0
MICHIGAN STATE	50,336	0	0	0	0	51	0
MINNESOTA	54,305	0	0	0	0	704	2
MISSOURI	19,112	0	0	0	0	1	0
NEBRASKA	20,895	0	0	0	0	0	0
NEW MEXICO	18,379	0	0	0	0	0	457
NEW YORK	53,396	0	0	0	0	141	0
NORTH CAROLINA	46,375	0	0	0	0	0	28
NORTH CAROLINA STATE	20,723	0	0	0	0	1	2
NORTHWESTERN	32,061	5,666	0	0	0	501	6
NOTRE DAME	16,914	854	2	0	0	35	81
OHIO	713	0	0	0	0	1	1
OHIO STATE	40,479	0	0	0	0	277	0
OKLAHOMA	10,322	0	0	0	0	0	14
OKLAHOMA STATE	12,349	0	0	0	0	0	0
OREGON	20,218	0	0	0	0	0	17
PENNSYLVANIA	31,289	0	0	0	0	0	762
PENNSYLVANIA STATE	39,807	163	0	0	0	0	89
PITTSBURGH	20,833	0	0	0	0	289	150
PRINCETON	68,410	0	0	0	0	1,136	2
PURDUE	16,030	0	0	0	0	0	0
QUEEN'S	14,877	0	0	0	0	0	10
RICE	9,701	0	0	0	0	0	0
ROCHESTER	14,871	165	0	0	0	644	124
RUTGERS	30,417	0	0	0	0	0	6
SASKATCHEWAN	8,597	0	0	0	0	0	0
SOUTH CAROLINA	23,914	0	0	0	0	0	340
SOUTHERN CALIFORNIA	25,622	0	0	0	0	0	0
SOUTHERN ILLINOIS	21,105	0	0	0	0	62	0
STANFORD	65,261	0	0	0	0	0	4
SUNY-ALBANY	10,018	0	100	0	11	3	168
SUNY-BUFFALO	29,041	0	0	0	0	0	469
SUNY-STONY BROOK	16,000	0	0	0	0	46	0
SYRACUSE	11,105	0	0	0	0	0	0

TABLE IV: PRESERVATION TREATMENT

INSTITUTION	BINDING Volumes Bound Contract 1	Bound Vols. & Pamphlets Mass-Deac. Contract 3	Bound Vols. & Pamphlets Mass-Deac. In-House 4	Lin. Feet of Manusc. Mass-Deac. Contract 5	Lin. Feet of Manusc. Mass-Deac. In-House 6	Pres. Phot. Entire Item Contract 7	Pres. Phot. Entire Item In-House 8
TEMPLE	17,370	0	0	0	0	0	8
TENNESSEE	26,726	0	0	0	0	4	0
TEXAS	27,114	0	0	0	0	20	0
TEXAS A&M	22,411	0	0	0	0	0	0
TORONTO	39,360	0	0	0	0	0	0
TULANE	9,635	0	0	0	0	0	20
UTAH	18,613	0	0	0	0	0	0
VANDERBILT	28,093	0	0	0	0	0	5
VIRGINIA	48,103	0	0	0	0	237	284
VPI & SU	32,000	0	0	0	0	0	0
WASHINGTON	30,929	0	0	0	0	0	U/A
WASHINGTON STATE	11,946	0	0	0	0	0	0
WASHINGTON U.-ST. LOUIS	10,138	0	0	0	0	3	123
WATERLOO	10,089	0	0	0	0	0	0
WAYNE STATE	20,069	0	0	0	0	0	0
WESTERN ONTARIO	20,989	0	0	0	0	0	0
WISCONSIN	25,924	0	0	0	0	89	14
YALE	53,051	0	0	0	0	771	2,779
YORK	26,512	0	0	0	0	29	0
BOSTON PUBLIC LIBRARY	8,996	0	0	0	0	0	150
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	0	0	0	0	0	0	0
LIBRARY OF CONGRESS	199,834	25,000	0	0	0	342	0
LINDA HALL LIBRARY	4,454	0	0	0	0	0	0
NATL. AGRICULTURAL LIB.	8,890	0	0	0	0	0	0
NATL. LIBRARY OF CANADA	310	0	30,454	0	0	0	302
NATL. LIBRARY OF MEDICINE	18,942	0	0	0	0	30	0
NEW YORK PUBLIC LIBRARY	58,710	0	0	0	0	82	0
NEW YORK STATE LIBRARY	8,171	0	0	0	0	0	0
SMITHSONIAN INSTITUTION	6,207	0	0	0	0	84	0

Type of Library	BINDING Volumes Bound Contract 1	Bound Vols. & Pamphlets Mass-Deac. Contract 2	Bound Vols. & Pamphlets Mass-Deac. In-House 3	Lin. Feet of Manusc. Mass-Deac. Contract 4	Lin. Feet of Manusc. Mass-Deac. In-House 5	Pres. Phot. Entire Item Contract 6	Pres. Phot. Entire Item In-House 7
University							
Sum	2,874,317	6,995	102	0	21	10,187	31,159
Nonuniversity							
Sum	314,514	25,000	30,454	0	0	538	452
TOTAL							
Sum	3,188,831	31,995	30,556	0	21	10,725	31,611

TABLE V: PRESERVATION MICROFILMING

INSTITUTION	Total Volumes Contract Film 1	Total Volumes In-House Film 2	Total Volumes Contract Fiche 3	Total Volumes In-House Fiche 4	Total Titles Contract Film 5	Total Titles In-House Film 6	Total Titles Contract Fiche 7	Total Titles In-House Fiche 8
ALABAMA	0	1	0	0	0	1	0	0
ALBERTA	.	.	.	.	.	.	.	.
ARIZONA	0	0	0	0	0	0	0	0
ARIZONA STATE	0	0	0	0	0	0	0	0
AUBURN	0	0	0	0	0	4	0	0
BOSTON	0	0	0	0	0	0	0	0
BRIGHAM YOUNG	0	0	0	0	0	0	0	0
BRITISH COLUMBIA	129	0	0	0	127	0	0	0
BROWN	61	100	0	0	64	97	0	0
CALIFORNIA, BERKELEY	0	347	0	0	0	105	0	0
CALIFORNIA, DAVIS	3,721	0	0	0	3,635	0	0	0
CALIFORNIA, IRVINE	11	0	0	0	4	0	0	0
CALIFORNIA, LOS ANGELES	0	158	0	0	0	140	0	0
CALIFORNIA, RIVERSIDE	.	.	.	.	.	.	.	.
CALIFORNIA, SAN DIEGO	41	0	0	0	4	0	1	0
CALIFORNIA, SANTA BARBARA	0	0	0	0	0	0	0	0
CASE WESTERN RESERVE	0	0	0	0	0	0	0	0
CHICAGO	602	0	0	0	545	0	0	0
CINCINNATI	0	0	0	0	0	0	0	0
COLORADO	0	0	0	0	0	0	0	0
COLORADO STATE	184	0	0	0	183	0	0	0
COLUMBIA	11,103	1,552	1	0	9,098	60	1	0
CONNECTICUT	0	0	0	0	0	0	0	0
CORNELL	3,173	0	0	0	2,378	0	0	0
DARTMOUTH	0	0	0	0	0	0	0	0
DELAWARE	U/A	0	0	0	34	0	0	0
DUKE	0	0	0	0	26	0	0	0
EMORY	1,207	0	0	0	1,170	0	0	0
FLORIDA	490	624	0	0	461	308	0	0
FLORIDA STATE	0	0	0	0	0	0	0	0
GEORGETOWN	0	0	0	0	0	0	0	0
GEORGIA	0	U/A	0	0	0	245	0	0
GEORGIA TECH	0	0	0	0	0	0	0	0
GUELPH	0	0	0	0	0	0	0	0
HARVARD	8,290	171	590	0	5,901	65	593	0
HAWAII	0	0	0	0	16	0	0	0
HOUSTON	0	0	0	0	0	0	0	0
HOWARD	.	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	U/A	0	0	0	U/A	0	0	0
ILLINOIS, URBANA	3,720	0	0	0	3,392	0	0	0
INDIANA	0	0	1,400	0	0	0	1,400	0
IOWA	566	0	0	0	348	0	0	0
IOWA STATE	2	0	0	0	1	0	0	0
JOHNS HOPKINS	0	0	0	0	0	0	0	0
KANSAS	0	0	0	0	0	0	0	0

TABLE V: PRESERVATION MICROFILMING

Total Exposures Contract Film 9	Total Exposures In-House Film 10	Total Exposures Contract Fiche 11	Total Exposures In-House Fiche 12	Preserv. Microfilm. Total Volumes 13	Preserv. Microfilm. Total Titles 14	Preserv. Microfilm. Total Exposures 15	INSTITUTION
0	120	0	0	1	1	120	ALABAMA
.	.	.	.	.	.	.	ALBERTA
0	0	0	0	0	0	0	ARIZONA
0	0	0	0	0	0	0	ARIZONA STATE
0	25,608	0	0	0	4	25,608	AUBURN
0	0	0	0	0	0	0	BOSTON
0	0	0	0	0	0	0	BRIGHAM YOUNG
27,869	0	0	0	129	127	27,869	BRITISH COLUMBIA
U/A	17,574	0	0	161	161	17,574	BROWN
333,047	234,184	0	0	347	105	567,231	CALIFORNIA, BERKELEY
277,019	0	0	0	3,721	3,635	277,019	CALIFORNIA, DAVIS
38,720	0	0	0	11	4	38,720	CALIFORNIA, IRVINE
0	21,742	0	0	158	140	21,742	CALIFORNIA, LOS ANGELES
.	.	.	.	.	.	.	CALIFORNIA, RIVERSIDE
10,528	0	22	0	41	5	10,550	CALIFORNIA, SAN DIEGO
0	0	0	0	0	0	0	CALIFORNIA, SANTA BARBARA
0	0	0	0	0	0	0	CASE WESTERN RESERVE
88,062	0	0	0	602	545	88,062	CHICAGO
0	0	0	0	0	0	0	CINCINNATI
0	0	0	0	0	0	0	COLORADO
23,905	0	0	0	184	183	23,905	COLORADO STATE
1,196,388	38,547	275	0	12,656	9,159	1,235,210	COLUMBIA
0	0	0	0	0	0	0	CONNECTICUT
446,604	0	0	0	3,173	2,378	446,604	CORNELL
0	0	0	0	0	0	0	DARTMOUTH
100,450	0	0	0	0	34	100,450	DELAWARE
12,046	0	0	0	0	26	12,046	DUKE
56,654	0	0	0	1,207	1,170	56,654	EMORY
67,307	225,331	0	0	1,114	769	292,638	FLORIDA
0	0	0	0	0	0	0	FLORIDA STATE
0	0	0	0	0	0	0	GEORGETOWN
0	349,060	0	0	0	245	349,060	GEORGIA
0	0	0	0	0	0	0	GEORGIA TECH
0	0	0	0	0	0	0	GUELPH
1,294,370	12,550	54,892	0	9,051	6,559	1,361,812	HARVARD
16,046	0	0	0	0	16	16,046	HAWAII
0	0	0	0	0	0	0	HOUSTON
.	.	.	.	.	.	.	HOWARD
U/A	0	0	0	0	0	0	ILLINOIS, CHICAGO
477,415	0	0	0	3,720	3,392	477,415	ILLINOIS, URBANA
0	0	56,183	0	1,400	1,400	56,183	INDIANA
124,888	0	0	0	566	348	124,888	IOWA
U/A	0	0	0	2	1	0	IOWA STATE
0	0	0	0	0	0	0	JOHNS HOPKINS
0	0	0	0	0	0	0	KANSAS

TABLE V: PRESERVATION MICROFILMING

INSTITUTION	Total Volumes Contract Film 1	Total Volumes In-House Film 2	Total Volumes Contract Fiche 3	Total Volumes In-House Fiche 4	Total Titles Contract Film 5	Total Titles In-House Film 6	Total Titles Contract Fiche 7	Total Titles In-House Fiche 8
KENT STATE	U/A	U/A	U/A	U/A	U/A	U/A	U/A	U/A
KENTUCKY	141	629	0	0	138	312	0	0
LAVAL	28	0	0	0	28	0	0	0
LOUISIANA STATE	0	0	0	0	0	93	0	0
MCGILL	0	0	0	0	0	0	0	0
MCMASTER	0	0	0	0	0	0	0	0
MANITOBA	0	0	189	0	0	0	0	0
MARYLAND	0	0	21,278	0	0	0	0	0
MASSACHUSETTS	1	0	0	0	1	0	0	0
MIT	0	185	0	1,697	0	126	0	1,663
MIAMI	0	0	0	0	0	0	0	0
MICHIGAN	4,583	1,017	0	0	2,355	703	0	0
MICHIGAN STATE	738	0	0	0	703	0	0	0
MINNESOTA	0	0	0	0	0	0	0	0
MISSOURI	0	0	0	0	0	0	0	0
NEBRASKA	0	0	0	0	0	0	0	0
NEW MEXICO	241	0	0	0	260	0	0	0
NEW YORK	542	0	0	0	465	0	0	0
NORTH CAROLINA	383	83	0	0	242	83	0	0
NORTH CAROLINA STATE	0	0	0	0	0	0	0	0
NORTHWESTERN	1,395	0	0	0	U/A	0	0	0
NOTRE DAME	2,240	0	0	0	1,148	0	0	0
OHIO	0	0	0	0	0	244	0	150
OHIO STATE	1,259	0	0	0	1,227	0	0	0
OKLAHOMA	0	0	0	0	0	0	0	0
OKLAHOMA STATE	0	0	0	0	0	0	0	0
OREGON	0	0	0	0	0	70	320	0
PENNSYLVANIA	12	0	0	0	7	0	0	0
PENNSYLVANIA STATE	1,684	0	0	0	U/A	0	0	0
PITTSBURGH	0	0	0	0	0	0	0	0
PRINCETON	1,542	45	0	0	1,241	30	0	0
PURDUE	0	0	0	0	0	0	0	0
QUEEN'S	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0
ROCHESTER	603	0	U/A	0	536	0	241	0
RUTGERS	U/A	U/A	U/A	U/A	U/A	U/A	U/A	U/A
SASKATCHEWAN	0	0	0	0	0	0	0	0
SOUTH CAROLINA	0	U/A	0	0	0	90	0	0
SOUTHERN CALIFORNIA	0	0	0	0	0	0	0	0
SOUTHERN ILLINOIS	0	0	0	0	0	0	0	0
STANFORD	445	17,828	0	0	210	17,836	0	0
SUNY-ALBANY	101	0	0	0	56	0	0	0
SUNY-BUFFALO	0	0	0	0	9	0	0	0
SUNY-STONY BROOK	10	0	0	0	10	0	0	0
SYRACUSE	42	0	0	0	2	0	0	0

TABLE V: PRESERVATION MICROFILMING

Total Exposures Contract Film 9	Total Exposures In-House Film 10	Total Exposures Contract Fiche 11	Total Exposures In-House Fiche 12	Preserv. Microfilm. Total Volumes 13	Preserv. Microfilm. Total Titles 14	Preserv. Microfilm. Total Exposures 15	INSTITUTION
U/A	U/A	U/A	U/A	0	0	0	KENT STATE
5,077	200,328	0	0	770	450	205,405	KENTUCKY
4,425	0	0	0	28	28	4,425	LAVAL
0	45,000	0	0	0	93	45,000	LOUISIANA STATE
0	0	0	0	0	0	0	MCGILL
0	0	0	0	0	0	0	MCMASTER
0	0	0	0	189	0	0	MANITOBA
0	0	744,730	0	21,278	0	744,730	MARYLAND
1,746	0	0	0	1	1	1,746	MASSACHUSETTS
0	61,750	0	441,220	1,882	1,789	502,970	MIT
0	0	0	0	0	0	0	MIAMI
701,648	154,210	0	0	5,600	3,058	855,858	MICHIGAN
108,436	0	0	0	738	703	108,436	MICHIGAN STATE
0	0	0	0	0	0	0	MINNESOTA
0	0	0	0	0	0	0	MISSOURI
58,594	0	0	0	0	0	58,594	NEBRASKA
117,877	0	0	0	241	260	117,877	NEW MEXICO
179,456	0	0	0	542	465	179,456	NEW YORK
32,614	14,343	0	0	466	325	46,957	NORTH CAROLINA
0	0	0	0	0	0	0	NORTH CAROLINA STATE
U/A	0	0	0	1,395	0	0	NORTHWESTERN
448,356	0	0	0	2,240	1,148	448,356	NOTRE DAME
0	306,528	0	6,120	0	394	312,648	OHIO
214,062	0	0	0	1,259	1,227	214,062	OHIO STATE
0	0	0	0	0	0	0	OKLAHOMA
0	0	0	0	0	0	0	OKLAHOMA STATE
0	693,000	0	0	0	390	693,000	OREGON
4,500	0	0	0	12	7	4,500	PENNSYLVANIA
U/A	0	0	0	1,684	0	0	PENNSYLVANIA STATE
101,081	0	0	0	0	0	101,081	PITTSBURGH
254,633	32,001	0	0	1,587	1,271	286,634	PRINCETON
0	0	0	0	0	0	0	PURDUE
0	0	0	0	0	0	0	QUEEN'S
0	0	0	0	0	0	0	RICE
U/A	0	92	0	603	777	92	ROCHESTER
U/A	U/A	U/A	U/A	0	0	0	RUTGERS
0	0	0	0	0	0	0	SASKATCHEWAN
0	276,520	0	0	0	90	276,520	SOUTH CAROLINA
0	0	0	0	0	0	0	SOUTHERN CALIFORNIA
0	0	0	0	0	0	0	SOUTHERN ILLINOIS
2,668,044	875,295	0	0	18,273	18,046	3,543,339	STANFORD
5,838	0	0	0	101	56	5,838	SUNY-ALBANY
0	0	0	0	0	9	0	SUNY-BUFFALO
2,106	0	0	0	10	10	2,106	SUNY-STONY BROOK
26,355	0	0	0	42	2	26,355	SYRACUSE

TABLE V: PRESERVATION MICROFILMING

INSTITUTION	Total Volumes Contract Film 1	Total Volumes In-House Film 2	Total Volumes Contract Fiche 3	Total Volumes In-House Fiche 4	Total Titles Contract Film 5	Total Titles In-House Film 6	Total Titles Contract Fiche 7	Total Titles In-House Fiche 8
TEMPLE	0	0	0	0	0	0	0	0
TENNESSEE	1,551	0	0	0	390	0	0	0
TEXAS	1 734	0	0	0	1,646	0	0	0
TEXAS A&M	0	0	0	0	0	0	0	0
TORONTO	0	243	18	0	0	243	3	0
TULANE	1,024	0	0	0	840	0	0	0
UTAH	51	0	0	0	43	0	0	0
VANDERBILT	0	0	0	0	0	0	0	0
VIRGINIA	0	2	0	0	2	0	0	0
VPI & SU	0	0	0	0	0	0	0	0
WASHINGTON	U/A	0	U/A	0	112	0	803	0
WASHINGTON STATE	0	0	0	0	6	0	0	0
WASHINGTON U.-ST. LOUIS	1	0	0	0	0	0	0	0
WATERLOO	0	0	0	0	0	0	0	0
WAYNE STATE	0	0	0	0	0	0	0	0
WESTERN ONTARIO	0	0	0	0	0	0	0	0
WISCONSIN	0	2,224	0	0	0	1,943	0	0
YALE	3,730	411	0	0	3,919	279	0	0
YORK	0	0	0	0	0	0	0	0
BOSTON PUBLIC LIBRARY	0	0	0	0	32	0	0	0
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	4,596	0	0	0	3,824	0	0	0
LIBRARY OF CONGRESS	19,177	11,477	0	0	15	903	0	0
LINDA HALL LIBRARY	0	0	0	0	0	0	0	0
NATL. AGRICULTURAL LIB.	0	0	0	0	0	0	0	0
NATL. LIBRARY OF CANADA	0	286	0	0	0	13	10,000	0
NATL. LIBRARY OF MEDICINE	2,389	0	0	0	U/A	0	0	0
NEW YORK PUBLIC LIBRARY	2,981	4,175	755	0	971	1,367	755	0
NEW YORK STATE LIBRARY	0	146	0	219	0	146	0	219
SMITHSONIAN INSTITUTION	430	0	0	0	80	0	0	0

Type of Library	Total Volumes Contract Film 1	Total Volumes In-House Film 2	Total Volumes Contract Fiche 3	Total Volumes In-House Fiche 4	Total Titles Contract Film 5	Total Titles In-House Film 6	Total Titles Contract Fiche 7	Total Titles In-House Fiche 8
University								
Sum	57,381	25,620	23,476	1,697	42,983	23,077	3,362	1,813
Nonuniversity								
Sum	29,573	16,084	755	219	4,922	2,429	10,755	219
TOTAL								
Sum	86,954	41,704	24,231	1,916	47,905	25,506	14,117	2,032

TABLE V: PRESERVATION MICROFILMING

Total Exposures Contract Film 9	Total Exposures In-House Film 10	Total Exposures Contract Fiche 11	Total Exposures In-House Fiche 12	Preserv. Microfilm. Total Volumes 13	Preserv. Microfilm. Total Titles 14	Preserv. Microfilm. Total Exposures 15	INSTITUTION
0	0	0	0	0	0	0	TEMPLE
73,362	0	0	0	1,551	390	73,362	TENNESSEE
352,775	9,921	0	0	1,734	1,646	362,696	TEXAS
0	0	0	0	0	0	0	TEXAS A&M
0	36,450	21,560	0	261	246	58,010	TORONTO
61,655	0	0	0	1,024	840	61,655	TULANE
24,713	0	0	0	51	43	24,713	UTAH
0	0	0	0	0	0	0	VANDERBILT
422	0	0	0	2	2	422	VIRGINIA
0	0	0	0	0	0	0	VPI & SU
105,925	0	106,087	0	0	915	212,012	WASHINGTON
53,170	0	0	0	0	6	53,170	WASHINGTON STATE
0	0	0	0	1	0	0	WASHINGTON U.-ST. LOUIS
0	0	0	0	0	0	0	WATERLOO
0	0	0	0	0	0	0	WAYNE STATE
0	0	0	0	0	0	0	WESTERN ONTARIO
0	557,113	0	0	2,224	1,943	557,113	WISCONSIN
941,050	83,964	0	0	4,141	4,198	1,025,014	YALE
0	0	0	0	0	0	0	YORK
152,787	0	0	0	0	32	152,787	BOSTON PUBLIC LIBRARY
.	.	.	.	.	.	.	CANADA INST. FOR SCITECH.
1,069,661	0	0	0	4,596	3,824	1,069,661	CENTER FOR RESEARCH LIBS.
90,722	1,140,082	0	0	30,654	918	1,230,804	LIBRARY OF CONGRESS
0	0	0	0	0	0	0	LINDA HALL LIBRARY
0	0	0	0	0	0	0	NATL. AGRICULTURAL LIB.
0	129,881	3,000,000	0	286	10,013	3,129,881	NATL. LIBRARY OF CANADA
632,224	0	0	0	2,389	0	632,224	NATL. LIBRARY OF MEDICINE
795,122	1,583,526	67,950	0	7,911	3,093	2,446,598	NEW YORK PUBLIC LIBRARY
0	153,523	0	18,393	365	365	171,916	NEW YORK STATE LIBRARY
97,243	0	0	0	430	80	97,243	SMITHSONIAN INSTITUTION

Type of Library	Total Exposures Contract Film 9	Total Exposures In-House Film 10	Total Exposures Contract Fiche 11	Total Exposures In-House Fiche 12	Preserv. Microfilm. Total Volumes 13	Preserv. Microfilm. Total Titles 14	Preserv. Microfilm. Total Exposures 15
University							
Sum	11,139,238	4,271,139	983,841	447,340	108,174	71,235	16,841,558
Nonuniversity							
Sum	2,837,759	3,007,012	3,067,950	18,393	46,631	18,325	8,931,114
TOTAL							
Sum	13,976,997	7,278,151	4,051,791	465,733	154,805	89,560	25,772,672

PART II: ANALYSIS OF CORE DATA FOR ALL REPORTING LIBRARIES

1. Organizational Structure

a. Preservation Administration

The most significant means for measuring the progress of ARL libraries in their preservation efforts is to track the existence of preservation programs managed by a preservation administrator. The data offer persuasive evidence that preservation programs have become a standard unit in research libraries although there has not been any increases in the number of new programs established. As displayed in the data tables, 80 institutions indicated that the library has appointed a preservation administrator, and of those, 60 libraries reported that the preservation program is managed by a full-time preservation administrator. Responses are summarized below.

Table 1. Administration of Preservation Programs

Full-time preservation administrator	60 (52%)
Part-time preservation administrator who devotes 50% or more time to preservation activities, but not 100%	13 (11%)
Part-time preservation administrator who devotes 25% to 50% of time to preservation activities	7 (6%)
Preservation administrator with less than 25% of time to preservation activities or no preservation administrator [4]	36 (31%)

b. Reporting Relationships

While most ARL libraries have separate preservation units, their placement is far from uniform. The 80 responses to the question on reporting relationships show that about a third of the preservation administrators report to the library director or associate library director. The next most frequently found organizational pattern is a reporting relationship to the assistant/associate director for collection development. The third most-cited reporting relationship is to the assistant/associate director for technical services. The remaining libraries chose a variety of organizational options, including placing the preservation administrator within special collections, public services, or administrative services. Although the placement of preservation departments within the library structure varies, with few exceptions, the preservation administrator reports to senior library management.

[4] Western Ontario reported a professional preservation administrator who devotes less than 25% of his or her time to preservation activities.

Table 2. Position to Which Preservation Administrator Reports

Director of Libraries/Associate Director	28	(35.0%)
Assistant/Associate Director for Collection Management	20	(25.0%)
Assistant/Associate Director for Technical Services	14	(17.5%)
Assistant/Associate Director for Public Services	8	(10.0%)
Other	10	(12.5%)

2. Personnel

The size of the staff reporting to the preservation administrator is a key factor in defining a library's level of preservation program development. The table below displays the relation between number of professional staff FTE and the number of support staff FTE and student assistant FTE in preservation units. The preservation administrator is included in the number of professional staff. Compared to last year, the larger programs are slightly smaller this year and the smaller ones have increased their staffing. (Total of 80 programs reported.)

Table 3. Staffing Patterns of Preservation Programs

Number of Professionals	Median of Support Staff	Median of Student Assistants	Median of Total FTE
4 or more (15%)	18.50	3.00	28.74
2 - 3.9 (30%)	5.13	2.20	9.90
1 - 1.9 (37.5%)	4.19	1.45	7.40
less than 1 (17.5%)	2.00	1.12	4.12

Reporting accurate statistics regarding the number of FTE staff engaged in preservation activities library-wide remains problematic. The variety and complexity of organizational structures make collecting the data a time-consuming and difficult burden for libraries. Even in libraries with large-scale preservation departments the data show that preservation cannot be completely assigned to that single organizational unit. Instead it is evident that there are preservation aspects in the work of almost every library unit and that preservation is a library-wide responsibility. The more decentralized preservation activities are and the more scattered staffs involved in preservation activities are, the more difficult it becomes to provide accurate data. Caution should be used in interpreting the data below because of these problems. (Total of 116 libraries reporting data.)

Table 4. Staffing Patterns of Preservation Activities Library-wide

Number of Professionals	Median of Support Staff	Median of Student Assistants	Median of Total FTE
4 or more (20%)	14.70	6.72	29.15
2 - 3.9 (23.5%)	6.89	3.50	13.25
1 - 1.9 (27%)	5.75	1.62	9.05
less than 1 (29.5%)	4.20	1.00	5.50

3. Expenditures

The financial support for preservation activities in ARL university libraries shows a substantial range from approximately $123,970 to $3.8 million during fiscal year 1995-96. As a corollary, ARL university libraries spent from slightly more than 1% to as much as 7.5% of total library budgets for preservation.

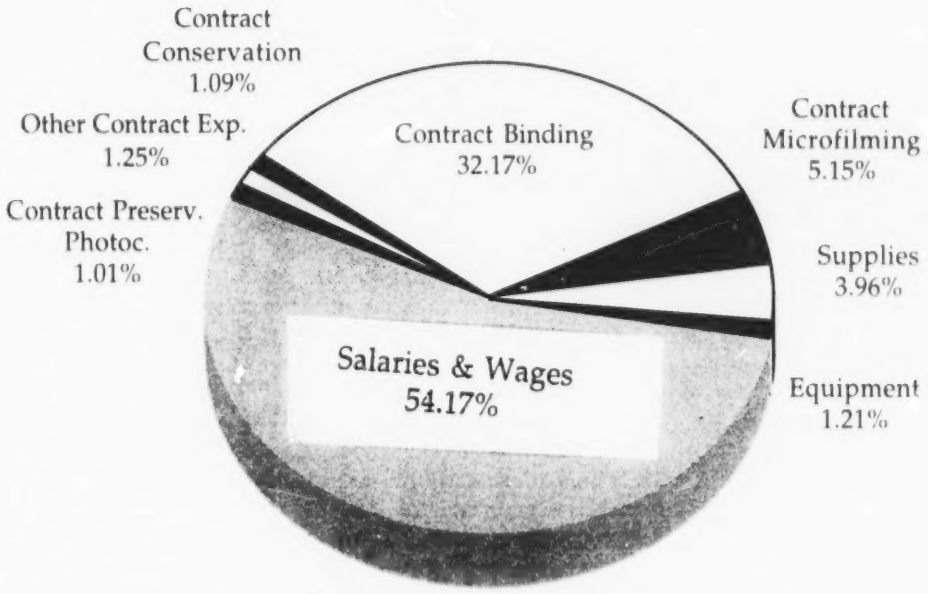
Table 5 summarizes preservation expenditures by displaying the midpoint for three ranges for all reporting ARL libraries. It also indicates corresponding median preservation expenditures as a percentage of total operating expenditures and as a percentage of materials expenditures.

The pie chart on page 40 highlights the allocation of preservation expenditures. Local needs and capabilities will determine the exact allocation of budgetary resources to various activities, but it is useful to look at the aggregate apportionment for ARL member libraries. As in past years, the largest category is salaries and wages, followed by binding expenditures. The chart displays the allocation of preservation expenditures based on data from all reporting ARL libraries.

Table 5. Preservation Expenditures

	Median of First Quartile	Median of All Responses	Median of Third Quartile
Total Preservation Expenditures	$1,015,456	$414,560	$208,886
Preservation Expenditures as Percent of Total Library Expenditures	4.68%	2.99%	1.81%
Preservation Expenditures as Percent of Materials Expenditures	14.60%	8.56%	4.71%

Preservation Expenditures 1995-96



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4. Conservation Treatment

Conservation treatments encompass an array of activities as defined in the instructions that accompanied the survey. Beginning in 1989-90, the amount of *time* required to complete conservation treatments has been used (i.e., "treatments that require 15 minutes or less to perform, more than 15 minutes but less than 2 hours, and more than 2 hours"). While the resulting data tell only how long the treatments take rather than how technically complex they are, results are more reliable and do not invite facile assumptions about the nature of an institution's conservation program. The table below provides information on the number of volumes that received minor (Level 1) treatment and the number of volumes that were given more time-consuming intermediate (Level 2) and major (Level 3) conservation treatment. It is recognized that significant differences exist in the nature of treatments performed.

Table 6. Conservation Treatment

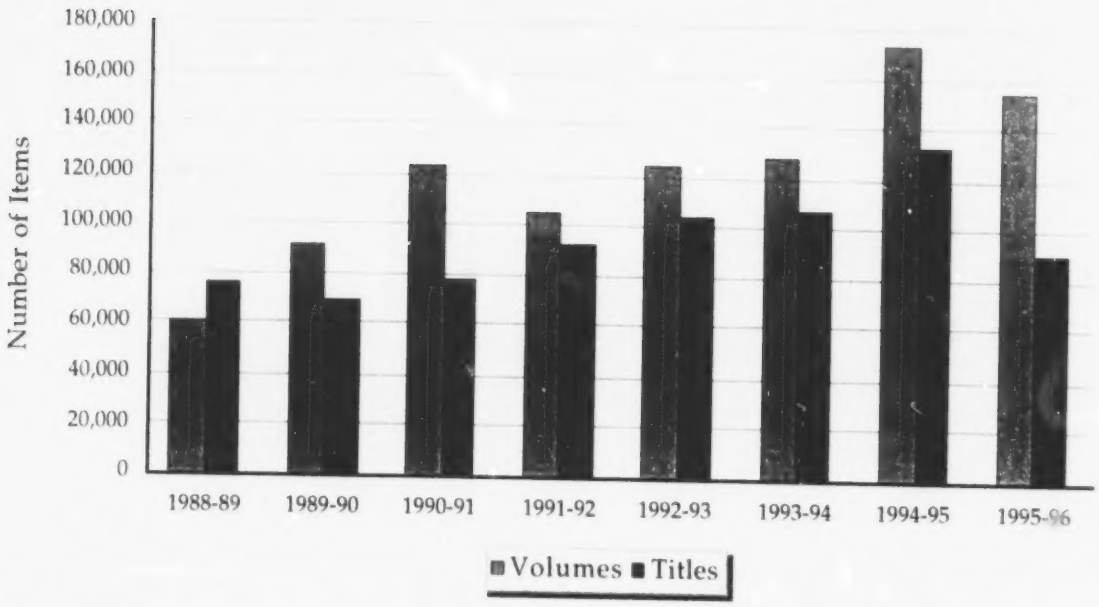
	Median of First Quartile	Median of All Responses	Median of Third Quartile
Number of Volumes: Level 1 Treatment	11,285	3,360	300
Number of Volumes: Levels 2 & 3 Treatment	5,282	1,274	71

5. Preservation Microfilming

ARL Preservation Statistics actually underreports total production among ARL members because the reporting of preservation microfilming production remains problematic. The best indicator of preservation microfilming output is the total number of exposures or number of frames filmed. Another convenient measure is the number of physical volumes filmed supplemented by the bibliographic count of the number titles filmed. Several libraries do not provide complete counts of exposures and other libraries do not report data for either the number of titles or volumes filmed. The data tables display figures as reported by member libraries for these three categories.

As noted earlier, the national preservation microfilming program, initiated by the National Endowment for the Humanities in 1988, has had a substantial impact on preservation microfilming among the members of ARL. The chart below highlights the trend of the last eight years and shows an important decline in microfilming activities in the most recent year.

Production of Preservation Microfilm Masters



Number of Libraries Reporting

1988-89	107
1989-90	115
1990-91	117
1991-92	119
1992-93	114
1993-94	115
1994-95	115
1995-96	116

PART III: ANALYSIS OF CORE DATA BY SIZE OF COLLECTION

This section analyzes the organizational, fiscal, and functional components of preservation programs in relation to collection size. Many factors, including the age, nature and scope of the collection, the environmental conditions under which the collections have been housed, and the level of use, shape the ways in which a library's preservation program develops. However, size of collection is the most significant factor in measuring the level of preservation effort.

In 1991, ARL published preservation program benchmarks for selected core activities in the *Preservation Program Models* report.[5] The benchmarks were intended to serve as indicators of the level of effort that can be expected as a library's preservation program develops. The benchmarks reflect targets and are a useful tool for measuring progress toward meeting preservation needs. The tables in this section parallel the four size groupings of ARL libraries used in the *Preservation Program Models* report.[6] These are collections of more than 5 million volumes, 3 to 5 million volumes, 2 to 3 million volumes, and less than 2 million volumes. For each size grouping, the tables provide medians for personnel, budget, and production. In this report, median figures are used as indicators of the midpoint in the distribution at which values cluster. The medians offer a composite measure for assessing the scale of local effort based on four different size groupings. The benchmarks reflected an ideal progression of preservation program development. They provide a useful tool for comparing the level of preservation services needed with the current level of activities. Libraries interested in that comparison may wish to consult the *Preservation Program Models* report.

The size groupings and number of libraries in each category are:

Group 1:*	over 5 million volumes (21 libraries)
Group 2:+	3 to 5 million volumes (22 libraries)
Group 3:†	2 to 3 million volumes (55 libraries)
Group 4:‡	under 2 million volumes (18 libraries)

The tables on pages 44 and 45 summarize the responses in five categories for each of the four size groupings.

Please note the following when reading the tables:

*	2 libraries in this group reported no Preservation Unit
+	3 libraries in this group reported no Preservation Unit
†	22 libraries in this group reported no Preservation Unit
‡	9 libraries in this group reported no Preservation Unit

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[5] Jan Merrill-Oldham, Carolyn Clark Morrow, and Mark Roosa, *Preservation Program Models: A Study Project and Report* (Washington, DC: Association of Research Libraries, 1991).

[6] The libraries in each group are determined by data submitted to *ARL Statistics 1995-96* (Washington, DC: Association of Research Libraries, 1996).

Table 7. Staffing Patterns of Preservation Programs

	Median of Professionals	Median of Support Staff	Median of Students FTE	Median of Total FTE
Group 1	3.60	13.98	1.63	20.17
Group 2	1.00	3.50	1.73	7.13
Group 3	0.50	1.75	0.25	4.99
Group 4	0.13	.00	0.00	0.13

Table 8. Staffing Patterns of Preservation Activities Library-wide

	Median of Professionals	Median of Support Staff	Median of Students FTE	Median of Total FTE
Group 1	7.30	15.00	4.00	29.15
Group 2	1.59	6.65	2.65	11.21
Group 3	1.20	5.75	2.00	10.46
Group 4	0.73	3.77	.57	5.28

Table 9. Preservation Expenditures

	Median of Total Preservation Expenditures	Median of Pres. Exp. as % of Total Library Exp.	Median of Pres. Exp. as % of Materials Expend.
Group 1	$1,072,400	4.24%	13.83%
Group 2	$512,827	2.94%	8.14%
Group 3	$376,851	2.98%	8.56%
Group 4	$212,737	2.27%	5.19%

Table 10. Conservation Treatment

	Median of Level 1 Treatment	Median of Level 2 Treatment	Median of Level 3 Treatment
Group 1	4,643	2,471	297
Group 2	5,134	1,083	45
Group 3	2,985	1,119	20
Group 4	1,594	761	3

Table 11. Contract Binding

	Median of Contract Binding Expenditures	Median of Number of Volumes Bound
Group 1	$393,118	53,051
Group 2	$246,336	33,069
Group 3	$141,299	18,900
Group 4	$90,463	11,059

ARL PRESERVATION STATISTICS QUESTIONNAIRE, 1995-96

INSTRUCTIONS FOR COMPLETING THE QUESTIONNAIRE

GENERAL INSTRUCTIONS

Please enter your data on the ARL Preservation Statistics diskette. The printed copy of the questionnaire is a worksheet provided for your convenience. Be sure to read the "ARL Preservation Statistics Disk Documentation," as well as these Instructions, before beginning to input data.

Return one copy of the diskette to the ARL Office by **November 30, 1996** as well as a copy of the **worksheet** and retain a copy of the diskette and the worksheet for your records. If you have problems with your diskette or have questions about the procedure to be followed in completing the survey, contact the ARL Office.

Please read all instructions carefully before you answer the questionnaire. Make your responses as complete and accurate as possible. Give estimates where you must, but please do not make wild guesses. Use the "FOOTNOTES" section to expand upon or clarify your responses.

All questions assume **a fiscal year ending June 30, 1996. If your library's fiscal year is different, please use the "FOOTNOTES" section to explain.**

Do not leave entries blank. If your library does not perform a given function or had no activity on this function, enter 0. If your library performs a function but data are not available, enter -1 (for Unavailable).

Use the same basis for reporting as is used in responding to the main *ARL Statistics* questionnaire. For example, if in *ARL Statistics* you normally include data for a law library and/or a medical library, also include those libraries in response to this survey. Please indicate these inclusions in the appropriate blanks within the "FOOTNOTES" section.

In a university that includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS) defines a **branch campus** as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please explain in a footnote in the "FOOTNOTES" section.

A **branch library is** defined as an auxiliary library service outlet with quarters separate from the central library of a system, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.

Preservation data are not always easy to define or to record in precise categories. If you have difficulty interpreting the questionnaire or are uncertain how its data categories apply in your situation, contact Martha Kyrillidou, ARL Program Officer, (202) 296-2296; e-mail: martha@cni.org.

SPECIFIC INSTRUCTIONS

For the purposes of this survey, the elements of a "preservation program" include: **conservation treatment, commercial binding, mass treatment,** and **reproduction** (i.e., preservation photocopying and preservation microfilming). While shelf preparation activities (e.g., plating, labeling, insertion of security devices) and stack maintenance have obvious preservation implications and may be supervised by the preservation administrator, they fall outside the scope of this survey.

The terms **commercial binding, conservation treatment, preservation photocopying, mass deacidification,** and **preservation microfilming** are defined in the instructions below.

Question 1. Does the library have a preservation administrator who spends at least 25% of his or her time managing a partial or comprehensive preservation program? If it does not, respond no and skip Questions 2, 3, and 4.

Question 2. What percentage of the preservation administrator's total job assignment is dedicated to preservation activities and preservation management? If the library has a full-time preservation administrator, general management activities (e.g., meeting attendance, committee participation) should be considered an integral part of the administrator's responsibilities, and the answer to this question recorded as 100%. In contrast, where the preservation administrator has a dual assignment (e.g., where he or she also has significant responsibilities as a serials librarian, bibliographer, or curator), or is a part-time staff member, the percentage of time devoted to preservation activities and preservation management should be recorded. If the library has no preservation administrator, leave blank.

Question 3. Record the job title (e.g., "Associate Director for Collection Development"), not the name of the person to whom the preservation administrator reports. If the library has no preservation administrator, leave blank.

Questions 4-5. FTE (i.e., "Full-Time Equivalent") is the numerical representation of full- and part-time work activities. A person working full-time is represented by an FTE of 1.00; a person working half-time by an FTE of 0.50. Three persons working half-time are represented by a combined FTE of 1.50. The number of FTE staff should be determined on the basis of the length of the work week in the reporting library. **Round figures to the nearest two decimal places.**

Record FTE staff in filled positions or positions that are only temporarily vacant on the date that ends the library's fiscal year. Also record staff hired for special projects, internships, and grants, but provide an explanatory note in the "FOOTNOTES" section indicating the FTE of such staff. The "FOOTNOTES" section should also be used to record such information as the number of hours worked by volunteers (this figure is not recorded in the survey itself), and the number of months that a full-time position was vacant during the year.

Report trained professional conservators and photographers (senior practitioners rather than technicians) in the "professional" category, whether or not they have a master's degree in library science.

Question 4. Only the preservation administrator and staff who report directly to him or her, or to someone supervised by him or her, should be recorded here. If the library has no preservation administrator, or if the administrator does not have direct line responsibility for staff, leave blank.

Question 5. This figure includes staff who report to the preservation administrator, as recorded in Question 4, and staff outside the preservation unit who are involved in preservation activities. The following activities should be included regardless of the department or library to which staff report: conservation, preparation for commercial binding, preservation microfilming and photocopying, mass treatment, preservation related

bibliographic searching and decision-making, and service on preservation committees and in preservation awareness and training activities.

For staff members with split assignments, record only that time devoted to preservation activities. For example, a student assistant who works 0.20 FTE, devoting half-time to pamphlet binding and the rest to non-preservation-activities, would be recorded as 0.10 FTE. A staff member who devotes half-time to preparing volumes for commercial binding and half time to serials check-in would be recorded as 0.50 FTE.

Question 6-11. Sources of funds are irrelevant in responding to Questions 6-11. Report all expenditure of funds that come to the library from the regular institutional budget and from other sources, such as research grants and fees for services.

Questions 6-11. Canadian libraries should report expenditures only in Canadian dollars. These amounts will be translated into U.S. dollars using a conversion exchange rate of 1.3613 Canadian dollars to 1 U.S. dollar, which was determined using the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1995 through June 1996.

Questions 6a-6d. These questions refer to salaries paid to staff engaged in preservation activities library wide; therefore record salaries for staff reported in response to Question 5. Do not include fringe benefits.

Question 6d. This answer is the sum of the answers to Questions 6a through 6c. Attach any footnotes for questions 6a-6c here, as only this figure appears in the data tables.

Question 7. Contract expenditures refers to expenditures for preservation services for which the library is invoiced by an outside vendor, organization, or individual (e.g., a commercial library binder, commercial microfilming service, or professional conservator).

Question 7a.

> **Conservation treatment:** Refers to the remedial and protective treatment (both mechanical and chemical) of hard-bound and soft-bound volumes, manuscripts, maps, posters, works of art on paper, photographic materials, magnetic tapes, disks, and other library materials to restore them to usable condition and/or to extend their useful lives. Also refers to the construction of protective enclosures (e.g., wrappers, jackets, boxes) for library materials. The term "conservation" implies item-by-item examination of materials for the purpose of making appropriate treatment decisions, and use of archivally sound methods and materials. **Rehousing does not constitute conservation treatment.** For examples of types of conservation treatments see instructions for Questions 12-18.

Record fees paid to regional conservation centers and to private conservators. Also record fees paid to commercial binders for conservation services such as box making, deacidification, and encapsulation. If fees paid to commercial binders for phase boxes and other items and treatments have been recorded on the main *ARL Statistics 1995-96* in Question 21, please note instructions for answering Question 7b herein.

Question 7b.

> **Commercial binding:** Refers to the binding, rebinding, and recasing performed by commercial library binderies, as described in the *Library Binding Institute Standard for Library Binding*, 8th edition (Rochester: Library Binding Institute, 1986). Commercial library binderies use oversewing machines; Smythe-type sewing machines; double-fan adhesive binding equipment; and automated rounders and backers, hydraulic presses, and spine stamping equipment, in a high-production environment.

This figure should be the same dollar amount reported on the main *ARL Statistics 1995-96* survey in Question 21, unless the library purchases conservation services from a commercial library binder. In the latter case, record fees paid to a commercial library binder for conservation services in response to Question 7a. Subtract this figure from the dollar amount reported in response to Question 21 of the main *ARL Statistics 1995-96*; and record the resulting figure in response to Question 7b. Explain the discrepancy between Question 21 of the main *ARL Statistics* and Question 7b of the *ARL Preservation Statistics* in the "FOOTNOTES" section for Question 7b.

Those libraries that pay fees to a university-operated "commercial"-type bindery that operates on a cost recovery basis should record expenditures in the blank provided and make a note in the "FOOTNOTES" section.

Question 7e. Other contract expenditures might include fees paid for commercial freeze-drying, fumigating, or mass-deacidification of library materials, membership fees for use of regional conservation facilities, and equipment repairs. Use the "FOOTNOTES" section to note the amount and nature of major expenditures.

Question 7f. This answer is the sum of the answers to Question 7a through 7e.

Question 8. Supplies include materials used for conservation treatment (e.g., papers, book cloths, adhesives, pamphlet binders, box board, chemicals, disposable filters for water systems); prefabricated archival quality boxes, wrappers, file folders, and envelopes available through supply catalogs; paper used for preservation photocopying; and film, chemicals, and other supplies used for preservation microfilming. Expenditures for equipment and tools costing under $100 should be recorded here. Expenditures for security labels and stamps, book pockets, call number and bar code labels, and book plates fall outside the scope of this survey and should not be recorded.

Since use of prefabricated boxes, wrappers, folders, and envelopes can involve very large numbers that would mask the size and nature of the in-house conservation effort, the use of prefabricated supplies to protect books, manuscripts, maps, microfiche, microfilm, photographic prints and negatives, videotapes, and other library materials is recorded only here, and not in response to Questions 12-16.

Question 9. Record expenditures for equipment and tools costing over $100, such as machinery (e.g., board shears, fume hoods, microfilming cameras, photocopy machines used exclusively for preservation photocopying), furniture (e.g., laboratory benches, chemical supply cabinets), and computer hardware purchased for exclusive use by a preservation department for such purposes as conservation management, bindery preparation, and bibliographic searching related to preservation decision making. Capital expenditures for building renovations (e.g., the construction of a conservation facility) or for construction that results in improved housing of library materials (such as replacement of heating, ventilating, and air conditioning systems) should be recorded in the "FOOTNOTES" section.

Question 10. This answer is the sum of the answers to Questions 6d, 7f, 8, and 9. At this time, it is not possible to enter the total independently of the component figures, i.e., "U/A" will count as "0." If you can provide a total figure in one of these fields, even though one or more of the component fields are "Unavailable," please provide this information in the "FOOTNOTES" section.

Certain preservation-related expenses are not requested in this survey (e.g., the cost of staff training, conference attendance, and other staff development activities; printing brochures and posters; purchase of reference materials). If significant, these should be noted in the "FOOTNOTES" section.

Question 11. These are expenditures that are funded by special grants from external sources, e.g., include staff salaries, equipment purchases, and fees for services.

Record total preservation expenditures that came from external agencies in the form of grants from July 1, 1995 through June 30, 1996 (or the library's equivalent fiscal year). Funds allocated from the library's regular operating budget (including gifts, royalties, endowment income, and special funds provided to the library by its parent institution) are regarded as internal and should not be reflected here.

Questions 12-23. Contract services are those for which the library is invoiced by an outside organization (e.g., a regional microfilming service), by an individual (e.g., a private conservator), or by a university-run "commercial" type bindery that operates on a cost-recovery basis. In-house activities are those that are performed within the library and funded directly.

Questions 12-14. These figures should include the number of volumes (bound and unbound, as well as pamphlets) given remedial treatment, not the total number of treatments performed. Answers to these questions should be mutually exclusive. **While any given volume may receive several conservation treatments, it should be recorded only once, as a Level 1, 2, or 3 treatment, depending on the amount of time devoted to the volume.** For example, when an errata sheet is tipped into a volume, three pages are repaired, and its hinges are tightened, and these procedures take a total of 25 minutes to perform, the volume should be recorded only once, as Level 2 treatment. The repair of several pages of a volume or pamphlet should not be recorded under "unbound sheets" (Question 16), even if the volume is disbound at the time the pages are treated. Rather, treatment of the volume should be recorded once, as a Level 1, 2, or 3 book treatment, depending on the time required to perform all procedures.

When a volume receives conservation treatment and a box is made for it, however, the conservation treatment should be recorded as a Level 1, 2, or 3 treatment, and the boxing should be recorded in response to Question 18. In the same vein, when two pages of a book are repaired and the book is sent to a commercial bindery, the volume should be recorded as a Level 1 conservation treatment and as a "commercial binding" (Question 19).

Conservation encompasses a wide range of treatments, including in-house pamphlet- and paperback-binding, temporary serials binding, tipping-in errata sheets and other inserts, making pockets for loose parts such as maps and charts, slitting uncut pages, making page repairs, removing tapes and stains from pages, repairing sewing structures (either before, or instead of sending them out for commercial binding), tightening hinges, replacing endpapers, rebacking, recasing, and rebinding. Treatments range from minor procedures that can be done relatively quickly by technicians to major procedures that require the skill and judgment of a conservator, involve written and photographic documentation, and are mechanically and chemically complex. **Rehousing does not constitute conservation treatment.**

Conservation may also include item-by-item treatment (NOT mass treatment) of individual items damaged by water, fire, and mold. Because mass treatment can involve very large numbers that would mask the size and nature of the in-house conservation effort, activities such as freeze drying and fumigation, are recorded only in response to Question 7e, "other contract expenditures." Exhibit preparation is recorded as conservation activity when an item is treated (e.g., a print is matted), but not when a temporary support (e.g., a book cradle) is constructed to support an item on display. In the latter case, total FTE staff suffices as a measure of effort.

Because the nature of procedures and the level of in-house conservation expertise varies significantly across ARL libraries, treatments are recorded based on the length of time that they require to perform (time being a meaningful and comparable measure of effort). Use of archivally sound methods and materials is presumed.

Question 12. Level 1 conservation treatments require 15 minutes or less to perform.

Question 13. Level 2 treatments require more than 15 minutes but less than two hours to perform.

Question 14. Level 3 conservation treatments require more than two hours to perform. Where an extraordinary number of hours is required to treat selected items, this information can be recorded in the "FOOTNOTES" section.

Question 15. This answer is the sum of the answers to Questions 12-14. **It should reflect the total number of volumes (bound and unbound, as well as pamphlets) that were treated, and not the total number of treatments performed.**

Question 16. Unbound sheets include items such as manuscripts, maps, posters, and works of art on paper. Procedures include a variety of mechanical and chemical treatments (e.g., paper repair, surface cleaning, washing, deacidifying, encapsulating, mounting, matting) that lengthen the life of the item. Use of archivally sound methods and materials is presumed. **Report the total number of sheets of paper that were treated, and not the total number of treatments performed.**

Question 17. Non-paper items include such materials as films, magnetic tapes, disks, and globes. Treatment of all photographic materials is also reported here, including photographs printed on paper. Treatments might include cleaning, splicing, reformatting (e.g., from film to video tape), and re-recording (e.g., from deteriorated videotape to new tape).

Question 18. "Custom-fitted enclosures" are distinguished from the prefabricated boxes and other enclosures identified in Question 8 as "supplies," in that the former are custom-made for the item that they are meant to protect, and the latter are standard-size enclosures available from supply catalogs. Custom-fitted enclosures include paper and polyester book jackets, paper and board wrappers, portfolios, phase boxes, double-tray boxes, and other boxes. (Polyester encapsulation of single sheets should be reported in response to Question 16 rather than here.) Use of archival quality methods and materials is presumed.

Question 19. Record all volumes (including pamphlets) bound or rebound by a commercial bindery. In cases where a university operates a "commercial"-type bindery on a cost-recovery basis, and **fees** are paid to that bindery, enter data under "Contract" and make a note in the "FOOTNOTES" section.

Questions 20-21.

> **Mass deacidification is** a process by which books and papers are treated to neutralize acidity and to introduce an alkaline buffer. Materials are mass-deacidified in batches, in chambers that hold several (or many) items. Item-by-item deacidification of volumes and papers, performed by conservators and technicians, should be recorded in response to Question 14, not here.

Question 21. Record the number of linear feet of manuscripts and other papers actually treated, not the number of linear feet of shelving emptied for treatment.

Questions 22.

> **Preservation photocopying** refers only to items photocopied on paper that has a minimum pH of 7.5, a minimum alkaline reserve equivalent to 2% calcium carbonate based on oven dry weight of the paper, and includes no groundwood or unbleached pulp. Images must be properly fused to the paper.

Record the number of bound volumes and pamphlets photocopied in their entirety (i.e., each page has been photocopied to produce a facsimile volume).

Question 23.

> **Preservation microfilming** includes preparation of materials for microfilming, filming itself, processing, inspection, and subsequent disposition of both film and materials filmed. Adherence to relevant American National Standards Institute standards and Association for Information and Image Management standards for film stock, production, and storage is presumed.

Record data only for first-generation microforms. For monographs and serials (including newspapers), record data in all three categories (i.e., "volumes," "titles," "exposures") if possible. If only partial information is available for a category (i.e. only Contract Microfilming Exposures figures are available and not contract volumes or titles), record "U/A" for those figures not included. "Volumes" refers to bibliographic or physical units and is unrelated to the amount of space occupied by the volume on a microfilm reel (or reels). For materials such as archives, manuscripts, maps, and photographs, record exposures only. Use the "FOOTNOTES" section to indicate the nature of projects, e.g., "1,590 photographs filmed from the 19th Century Russian Collection; 12,493 manuscripts filmed from the Johnson Historical Collection."

An "exposure" is one frame of film. Please indicate in the "FOOTNOTES" section if the number of exposures reported includes all filming, or if the number reflects only filming of such materials as archives, manuscripts, maps, and photographs, where no title or volumes counts are available.

Include data for projects that are undertaken cooperatively with other libraries, but not for commercial projects in which the library participates (e.g., where a commercial vendor borrows library materials for filming and subsequent sale of the film). When the library serves as a commercial microfilming vendor for another institution, this filming should be recorded by the library that contracts to have the filming done, and not by the filming library.

Record preservation microform masters produced by copying non-archival or damaged film, or produced from digitalized text. Use the "FOOTNOTES" section to indicate the scope and nature of this activity.

Dissertations that are sent to University Microfilms International for filming should not be recorded.

Footnotes. Reporting libraries are urged to use the "FOOTNOTES" section to report any information that would clarify the figures submitted. Explanatory footnotes will be included with the published statistics. Please make an effort to word footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret footnotes correctly. For your convenience, a copy of your footnotes from the *ARL Preservation Statistics 1994-95* is included with the printed copy of the questionnaire. **Please update these notes, indicating whether or not the notes are still valid.** (Note that the numbers on the printed worksheet refer to the columns in the main data tables, e.g. I-5 is line 5 in Table I in the published *Preservation Statistics*. If you add new footnotes, please number them to correspond to numbered questions in the questionnaire.

Please return a *printed version* of the completed questionnaire *together with the disk version* to the ARL Statistics and Measurement Program by **November 30, 1996.**
Please contact Martha Kyrillidou at (202) 296-2296 or martha@cni.org for assistance.

ARL PRESERVATION STATISTICS QUESTIONNAIRE, 1995-96

Please do not leave any blank lines. If the appropriate answer is zero, none, or not applicable use "0". If an exact figure is unavailable, use -1, i.e. "U/A" for unavailable.

Reporting Institution _____ Date Returned to ARL _____

Report Prepared by (name) _____

Title _____

Email address _____ Phone number _____

Contact person (if different) _____

Title _____

Email address _____ Phone number _____

ADMINISTRATION

1. **Does the library have a preservation administrator? (yes/no)** 1. _____

2. **If yes, what percentage of the administrator's total job assignment is dedicated to preservation activities and preservation program management?** 2. _____%

3. **If yes, what is the job title of the person to whom the preservation administrator reports?**

_____

PERSONNEL

4. **If the library has a preservation administrator who supervises staff, how many staff are in the preservation unit (including the preservation administrator)?**

Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
4A._____	4B._____	4C._____	4D._____

5. **How many FTE staff are engaged in preservation activities library-wide (including staff reported in question #4 above)?**

Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
5A._____	5B._____	5C._____	5D._____

EXPENDITURES

(Check one): **CANADIAN DOLLARS**_____ **U.S. DOLLARS**_____

6. Salaries and wages for staff engaged in preservation activities library-wide (as reported in question #5 above)

6a. Professional staff $_____

6b. Support staff $_____

6c. Student assistants $_____

6d. TOTAL expenditures for preservation staff $_____

7. Contract expenditures

7a. Contract conservation $_____

7b. Contract commercial binding (as reported on the 1995-96 *ARL Statistics* questionnaire in question #21) $_____

7c. Contract preservation photocopying $_____

7d. Contract preservation microfilming $_____

7e. Other contract expenditures $_____

7f. TOTAL contract expenditures $_____

8. Preservation supplies $_____

9. Preservation equipment $_____

10. TOTAL preservation expenditures (Add lines 6d, 7f, 8, & 9) $_____

11. Total preservation expenditures that came from external sources $_____

CONSERVATION TREATMENT		CONTRACT	IN-HOUSE
12.	Number of volumes (including pamphlets) given level 1 conservation treatment	12A._____	12B._____
13.	Number of volumes (including pamphlets) given level 2 conservation treatment	13A._____	13B._____
14.	Number of volumes (including pamphlets) given level 3 conservation treatment	14A._____	14B._____
15.	TOTAL number of volumes (including pamphlets) given conservation treatment (Add lines 12, 13, & 14)	15A._____	15B._____
16.	Number of unbound sheets given conservation treatment	16A._____	16B._____
17.	Number of photographs and non-paper items given conservation treatment	17A._____	17B._____
18.	Number of custom-fitted protective enclosures constructed	18A._____	18B._____

COMMERCIAL BINDING

19.	Number of volumes commercially bound	19A._____

MASS TREATMENT

20.	Number of bound volumes and pamphlets mass-deacidified	20A._____	20B._____
21.	Number of linear feet of manuscripts mass-deacidified	21A._____	21B._____

PRESERVATION PHOTOCOPYING

22.	Number of bound volumes and pamphlets photocopied in their entirety	22A._____	22B._____

PRESERVATION MICROFILMING PRODUCTION

23.TOTAL Microfilming Production	CONTRACT ROLL FILM	IN-HOUSE ROLL FILM	CONTRACT FICHE	IN-HOUSE FICHE
23a.Volumes	1._____	2._____	3._____	4._____
23b.Titles	1._____	2._____	3._____	4._____
23c.Exposures	1._____	2._____	3._____	4._____

FOOTNOTES

1. Law Library statistics are included:_____ Yes_____ No_____ We do not have a Law Library

2. Medical Library statistics are included:_____ Yes_____ No_____ We do not have a Medical Library

3. Other main campus libraries *not* included: (listed in "Footnotes" below)

4. Figures include reports from branch CAMPUS libraries.

_____ Yes_____ No_____ We have only one campus

If branch campus libraries *are* included, please specify which campuses in the footnotes below.

If branch campus libraries *are not* included, please specify which campuses in the footnotes below:

5. Are there any additional footnotes?_____ Yes _____ No

Please indicate revisions, additions, and deletions in the 1994-95 ARL Preservation Statistics footnotes. If any footnotes published last year are unchanged, please mark to indicate that they are still valid. Please strike through any footnotes which are no longer valid. The numbers refer to columns in the main data tables in the publication, e.g. I, 1-5 is columns 1-5 in Table I.

Please return the completed questionnaire to the
ARL Statistics and Measurement Program by **November 30, 1996.**
Please contact Martha Kyrillidou at (202) 296-2296 or martha@cni.org.

FOOTNOTES TO THE ARL PRESERVATION STATISTICS 1995-96

Footnotes may also include errata and corrections to data from prior years not previously reported. Numbers in parentheses refer to columns in the Summary Data Tables.

INSTITUTION NAME	SUMMARY DATA TABLE, COLUMN	FOOTNOTE
ALABAMA		All figures are as of September 30, 1996.
		Includes Law and Medical libraries.
		Excludes Map library, Social Work reading room, College of Communication reading room, University of Alabama in Birmingham, and the University of Alabama in Huntsville.
	I, 2	Preservation administrator in the Law library dedicates 5% of total job assignment to preservation activities and reports to Head, Technical Services.
	I, 7-10	For Law library: (5A) professional staff is .05; (5B) support staff is .30; (5C) student assistants are .50; (5D) total staff equals .85.
ARIZONA		Includes Special Collections and the Center for Creative Photography.
		Excludes Law and Medical libraries.
ARIZONA STATE		Includes Law library and branch campus libraries.
	I, 1-2; II, 1	Position of Preservation Administrator was vacant during 1995-1996.
AUBURN		All figures are as of September 30, 1996.
	II, 9, 10	Includes maintenance for existing equipment.
BOSTON		Includes Medical, Law, and Theology libraries.
BRIGHAM YOUNG		All figures are as of August 31, 1996.
		Excludes Law library and branch campus libraries at Brigham Young University Hawaii Campus and Jerusalem Center.
BRITISH COLUMBIA		All figures are as of March 31, 1996.
		Includes Law and Medical libraries, as well as hospital branch libraries at Vancouver General, St. Paul's, Children's, and Women's Hospitals.
	II, 1-11	Expenditures reported in Canadian dollars were: (1) $314,527; (2) $0; (3) $203,495; (4) $0; (5) $9,458; (6) $0; (7) $212,953; (8) $9,352; (9) $0; (10) $536,832; (11) $27,805.
	V, 1	Includes Malcolm Lowry's Shakespeare; B.C. Directories, 1911-19; B.C. Provincial Examinations, 1993-94; UBC Theses, 1932-36; W.M. Rossetti Diaries (archival collection).
BROWN		Includes John Carter Brown Library.
		Medical library statistics cannot be disaggregated from the main statistics because the Medical collection is an integral part of the Sciences library.
CALIFORNIA, BERKELEY		Excludes Law and Medical libraries.

Institution Name	Summary Data Table, Column	Footnote
CALIFORNIA, BERKELEY (cont'd)	II, 3	Figure reported includes expenditures for the Law library and a few other affiliated libraries for which no other preservation statistics are reported. Excluding those libraries, UC Berkeley spent $668,045 on library binding.
	III, 3	Figure includes conservation treatment that takes less than fifteen minutes and for which separate statistics are not taken.
	V, 1-4	Only roll film is created; there is no microfiche production.
	V, 1-8	Microfilming production was done only for manuscripts.
	V, 5-6	Microfilming production (in-house and contract) includes a large portion of manuscript filming.
CALIFORNIA, DAVIS		Excludes Law, Medical, and Health Sciences libraries.
		Includes branch campus libraries.
	II, 3	Includes University Bindery. Excludes Law and Medical libraries, and supplies expenditures included in figure reported to *ARL Statistics 1995-96*.
	II, 5, 11	Of the figure for 1995-96, $66,030 represents Department of Education HEA Title II-C funds for the Kohler Collection of British Popular Poetry at UC Davis.
	II, 6	Includes commercially available reprints purchased to replace existing brittle volumes.
	V, 1, 5	Figures represent the end of a Title II-C grant for 1995-96.
CALIFORNIA, LOS ANGELES		Includes Law and Medical libraries and branch campus libraries.
	II, 3	Figure reported in *ARL Statistics 1995-96* includes $35,303 reported in (II,2) and $61,796 reported in (II,8).
	II, 6	Includes $5,564 for audiotape remastering and $3,750 for videotape remastering.
CALIFORNIA, SAN DIEGO		Includes Medical libraries.
	II, 3	University operated bindery.
CALIFORNIA, SANTA BARBARA	I, 1	The preservation officer dedicates 10% of total job assignment to preservation activities.
	III, 2	Includes figures for (III,4) and (III,6).
	III, 2, 4, 6	All volumes given conservation treatment are included (III,2).
CASE WESTERN RESERVE		Includes Law and Medical libraries.
	I, 4,8	One full-time support staff position was vacant for 3 months. One .25 support staff position has been vacant since December 1995.
	I, 8; II,1	Includes some support staff activity not noted in past statistics.
	II, 6	Contract deacidification.
CENTER FOR RESEARCH LIBS.	II, 6	Storage of print masters.
CHICAGO		Includes Law and Medical libraries.

Institution Name	Summary Data Table, Column	Footnote
CINCINNATI		Includes Law and Medical libraries.
		Excludes Clermont College and Raymond Walters College libraries.
	I, 2	The preservation officer for the University libraries devotes 35% of total job assignment to preservation activities and reports to the Head of Access Services Division. The preservation officer for the Law library devotes 25% of total job assignment to preservation activities and reports to the Head of Technical Services. The Medical library does not have a preservation officer.
COLORADO	II, 3	Includes Law library. All other statistics exclude Law library.
COLORADO STATE		Includes branch campus libraries.
	V, 1-4	2 volumes filmed of student newspaper, *Rocky Mountain Collegian*.
	V, 5-8	182 titles filmed from CSU Theses Project.
	V, 9-12	Includes all filming.
COLUMBIA		Excludes Law and Medical libraries.
	I, 6	Staff hired for Special Projects, Internships, and Grants is 22.5 FTE.
	II, 2	Protective enclosures produced by the commercial binder are accounted for under Contract Binding (II,3). Protective enclosures produced by contract conservators are accounted for here. In 1995-1996, $22,350 of the Commercial Binding amount was spent on 925 custom enclosures made by the commercial binders.
	II, 3	Includes $58,454 of Law library expenses and $73,038 of Health Sciences library expenses. No other Law library or Health Science library preservation expenses are included in these statistics. Also see note to (II,2).
	II, 5	Includes $214,581 for NEH Modern Economic and Social History project.
	II, 6	Includes $98,928 for NEH Modern Economic and Social History project cataloging and filming preparation. Also includes $4,328 for vendor scanning.
	V, 2	Includes a large manuscript collection for which each folder of material has been counted as a volume.
	V, 6	Includes only one title for the manuscript collection mentioned in (V, 2).
CONNECTICUT		Includes Law and Medical libraries and Trecker Library at the West Hartford campus.
	II, 2	Includes $9,035 for boxes purchased from a commercial binder and charged to the commercial binding budgets at Storrs, and $16,207 for boxes purchased from a commercial binder and charged to the commercial binding budget at the Law library.
	II, 3	Figure differs from the $302,060 reported in the *ARL Statistics 1995-96* because expenditures for commercially-made boxes ($25,242) have been subtracted and recorded under Contract conservation expenditures (II,2).
	III, 12	Figure represents an outside contract to vacuum 26,500 linear feet of materials. The entire special collections and archives were cleaned: 15,250 linear feet of volumes; 11,250 linear feet of boxes.
CORNELL		Includes Law library and Geneva Experiment Station library.
		Excludes Medical library.

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Institution Name	Summary Data Table, Column	Footnote
CORNELL (cont'd)	IV	924,841 images preserved by digitization. 1,765 volumes deacidified, not by mass treatment.
DUKE		Includes Law, Medical, and Fuqua School of Business libraries.
	IV	Preservation treatment includes 456 papyri scanned.
	IV, 7-8	456 volumes scanned.
EMORY		Includes Law, Medical, Theology, and Oxford College libraries.
	II, 5	Figure does not include cost of film produced in SOLINET/ASERL project.
	II, 11	Includes only the costs associated with NEH funded Collection Conservation Training Program.
	V	Includes volumes, titles, and exposures filmed in the SOLINET/ASERL project.
FLORIDA		Excludes libraries associated with the Institute of Food and Agricultural Sciences (IFAS). Reporting excludes digitizing (to guidelines suggested by Cornell University Libraries): 14 titles (12 Internet accessible as bit-maps and text files); 110 volumes/years of title publication; 98 CD-ROMs; 30 Digital Tape Archives (DAT); 105,250 images (TIFF)--includes image conversion/OCR.
FLORIDA STATE		Excludes Panama City branch, Law library, and Developmental Research School.
	I, 1-2	The preservation officer dedicates 10% of total job assignment to preservation activities.
	II, 2	Figure included in Contract binding expenditures (II,3).
	II, 3	Includes Law library expenditures included in figure reported to *ARL Statistics 1995-96*. Law library statistics are included for this figure only.
GEORGETOWN		Includes Law and Medical libraries. In the main library, the preservation administrator reports to the Assistant Librarian for Collection Management. In the law library, the preservation administrator reports to the Associate Law Librarian for Technical Services.
	I, 1	Law library and Main Campus libraries have separate programs.
GEORGIA		Includes Law library, Agricultural Experiment Stations at Griffon and Tifton, and Marine Experiment at Sapelo and Skidaway. 47,846 pages of Georgia Docs (1713 Bibliographic records) and 3,624 items from the Paris Music Hall Collection were scanned during the year.
GEORGIA TECH		As noted in previous years, our emphasis has been on the acquisition of new materials in science and technology; we have many valuable materials in the area of science and technology that should receive preservation treatment if funds were available.
	II, 3	$87,937 reported in *ARL Statistics 1995-96* is incorrect. The correct figure is $79,713.

Institution Name	Summary Data Table, Column	Footnote
GEORGIA TECH (cont'd)	II, 8	The Archives and Rare books collections relocated into new quarters in July 1996 where they are housed on compact shelving in an area with a self-contained climate control system from which we will benefit over time. Periodicals before 1980 were also moved to this same area.
GUELPH		All figures are as of April 30, 1996.
		Includes Veterinary branch library.
	II, 1-11	Expenditures reported in Canadian Dollars were: (1) $131,497; (2) $2,786; (3) $101,883; (4) $0; (5) $20,702; (6) $0; (7) $125,371; (8) $8,668; (9) $0; (10) $265,536; (11) $20,702.
	II, 11	Same figure as reported for Contract preservation microfilming (II,5).
HARVARD		Includes Law and Medical libraries and branch campus libraries.
		FY 1996 Preservation statistics from one library were unavailable.
		The preservation administrator reports to the Associate Director for Administration and Programs in the University Library and Roy E. Larsen Librarian of Harvard College.
HAWAII		Excludes Law and Medical libraries.
HOUSTON		Excludes Law library and branch campus libraries.
ILLINOIS, CHICAGO		Includes Medical library.
	II, 3	Includes expenditures for (III, 1) and (III, 3).
ILLINOIS, URBANA		Includes Law library.
	I, 10	Documented work by volunteers in one Library unit totaled 250 hours or approximately .12 FTE.
	III, 10	Excludes an undetermined number of sheet maps that were encapsulated but not recorded.
	IV, 1	Includes 495 phase boxes reported also in Protective enclosures constructed, contract (III, 13).
INDIANA		Includes Law and Medical libraries.
		Excludes branch campus libraries at Indianapolis, Richmond, Ft. Wayne, Kokomo, Gary, South Bend, and New Albany.
	I, 7-10	Beginning with 1993-94, the Indiana University Libraries report includes libraries that are part of the Bloomington campus library system, but are not under the budgetary authority of the Dean of University Libraries. These are the Indiana University Law Library, the Kinsey Institute Library, and the Archives of Traditional Music. Also, the Indiana University Archives became part of the Bloomington campus library system in 1993.
	II, 5	Figure represents master negative vault rental at NUS.
	V, 7	Microfiche production for Latin American pamphlets and Somali language publications.
IOWA		Includes Law library and branch campus libraries.

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Institution Name	Summary Data Table, Column	Footnote
IOWA (cont'd)		Excludes Medical library.
	I, 1-10	The preservation administrator started work on February 19, 1996. Thus, the position was vacant for 7.5 months. Mellon apprentices in the Conservation Department represented 2.0 FTE staff. Two interns in the Conservation Department, one from Germany and the other from the University of Texas at Austin, represented .583 and .42 FTE respectively. The Conservation Department reported 563 volunteer hours. The Book Repair unit reported 90 volunteer hours.
	II, 3	$191,621 reported in *ARL Statistics 1995-96* accounts only for Contract binding expenses paid as of June 30, 1996. $213,212 reported here represents all Contract binding expenses incurred through June 30, 1996.
JOHNS HOPKINS		Includes Medical library. Also includes School of Advanced International Studies, Peabody Conservatory, Applied Physics Laboratory, Welch Medical Libraries, and School of Hygiene and Public Health library. Excludes Italy Center (Bologna), China Center (Nanjing), and Institute for the History of Medicine.
	II, 6	Contract expenditure for commercial freeze-drying of books damaged by water.
	II, 11	These expenditures represent a grant from NEH to offer hands-on workshops in preservation techniques to a national audience.
	V, 1, 5 ,9	Microfilming production (figures unavailable) is for archival materials from the Applied Physics Laboratory.
KANSAS		Includes Law library, the Regents Center (Overland Park), and the University of Kansas Medical Center in Kansas City. Excludes Clendening History of Medicine Library, Kansas City, and the University of Kansas Medical School in Wichita.
KENT STATE		Excludes branch campus libraries at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull, and Tuscarawas.
	II, 3	Excludes expenditures for branch campus libraries that were included in figure reported in *ARL Statistics 1995-96*.
	II, 8	Figure estimated.
KENTUCKY		Includes Law and Medical libraries. Excludes branch campus libraries at Lexington, Prestonburg, Madisonville, Ashland, Somerset, Hopkinsville, Louisville, Elizabethtown, Cumberland, Maysvile, Paducah, Owensboro, Hazard, and Henderson.
	I, 3-6	Includes Binding/Repair Unit (1 FTE professional, 1.5 FTE support staff, 2.13 FTE students); Reprographics Unit (7 FTE support staff, 2.45 FTE students); and the ASERL/SOLINET Cooperative Preservation Microfilming Project (.25 FTE student). Graduate student assistant cut from SOLINET Microfilming Project.
	II, 2-3	(II,2) includes contract conservation services provided by the commercial bindery and by individual conservators. (II,3) represents contract binding services only. The amount reported in *ARL Statistics 1995-96* includes (II,3) and $905 from (II,2).
	II, 6	Includes service and maintenance contracts for microfilming and processing equipment.
LAVAL		Includes Law and Medical libraries. Figures are for the fiscal year ending May 31, 1996.

Institution Name	Summary Data Table, Column	Footnote
LAVAL (cont'd)		Includes Law and Medical libraries.
		Figures are for the fiscal year ending May 31, 1996.
	II, 1-11	Expenditures reported in Canadian dollars were: (1) $291,442; (2) $0; (3) $23,351; (4) $0; (5) $600; (6) $0; (7) $23,951; (8) $79,845; (9) $2,220; (10) $397,458; (11) $0.
	II, 3	The amount, $17,153, reported in *ARL Statistics 1995-96* is not correct. The correct figure is $23,351, as reported here.
	IV,1	2,395 volumes done by a commercial bindery and 14,721 done by in-house bindery. This makes a total of 17,116 volumes.
LIBRARY OF CONGRESS		Includes Law library.
	I, 7-10	Includes staff in Preservation Directorate, Photoduplication Service, and Motion Picture, Broadcasting, and Recorded Sound Division.
	II, 3	$1,538,230 reported in *ARL Statistics 1995-96* represents book liquidations. $1,578,803 reported here represents book liquidations and obligations.
	III, 12	Excludes 12,500 record disks, 2,700 reels/cassettes and 2,634 reels of magnetic tape cleaned and repackaged. Also excludes 2,125 titles of audio materials converted to magnetic tape. 1,360 titles of video materials converted to magnetic tape. 567 reels of motion picture film converted.
	V, 1-2,5-6	Titles are in series.
LINDA HALL		All figures are as of December 31, 1995.
	II, 3	Figure reported in *ARL Statistics 1995-96* included binding and conservation expenditures, as well as the purchase of one commercially microfilmed backset.
LOUISIANA STATE		Excludes Law library.
	II, 2	Volumes receiving treatment for mildew removal at the commercial bindery had previously been included in this figure. The bindery we currently use does not offer this service.
	III, 1-2	Statistics are affected by the decision to receive preprocessed monographic material beginning in March 1996. Paperback materials are no longer routinely stripped and reinforced.
	III, 7-8; IV,1	Overall statistics are affected by Technical Services reorganization and workflow changes during FY 1995-96, which resulted in some backlogs.
McGILL		All figures are as of May 31, 1996.
		Includes Law and Medical libraries.
	I, 1	The preservation officer dedicates 5% of total job assignment to preservation activities.
	II, 1-11	Expenditures reported in Canadian dollars were: (1) $39,740; (2) $0; (3) $266,020; (4) $0; (5) $0; (6) $0; (7) $266,020; (8) $0; (9) $0; (10) $305,760; (11) $0.
McMASTER		All figures are as of April 30, 1996.
		Excludes Medical library.

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Institution Name	Summary Data Table, Column	Footnote
McMASTER (cont'd)	II, 1-11	Expenditures reported in Canadian dollars were: (1) $114,500; (2) $0; (3) $90,912; (4) $18,275; (5) $0; (6) $0; (7) $109,187; (8) $15,736; (9) $0; (10) $239,423; (11) $0.
MANITOBA		Excludes Law and Medical libraries.
	II, 1-11	Expenditures reported in Canadian dollars were: (1) $150,154; (2) $0; (3) $131,946; (4) $0; (5) $6,057; (6) $0; (7) $138,003; (8) $6,491; (9) $0; (10) $294,548; (11) $0.
	I,1-2	The preservation officer dedicates 10% of total job assignment to preservation activities. The preservation officer's duties have changed and are under review.
	I,8	The University of Manitoba has moved to a commercial binding firm that has automated binding machines. This has reduced the time involved in preparing binding shipments and the administrative process. It is anticipated that future reports will see a reduction in the amount of in-house conservation treatment.
MARYLAND		Variations in some figures represent new initiatives. $5,000 spent on RLG Preservation membership.
MIAMI		Includes Law, Medical, Music, and Architecture libraries.
MICHIGAN		Includes Medical library. Excludes Law library, Bentley Historical Collections, Clements Library, Kresge Business Administration Library, and branch campus libraries at Dearborn and Flint.
	I, 4	Excludes .5 FTE volunteer in Conservation/Book Repair. Office Assistant-III position vacant for 5 months.
	II, 3	Excludes expenditures for Law and Business libraries included in the figure reported in the *ARL Statistics 1995-96*.
	II, 8, 9	Includes supplies and equipment purchased with Preservation Division funds for use both within and outside the division.
	II, 10	Excludes expenditure of $88,526 for the purchasing of replacements of brittle and deteriorated items.
	IV, 8	Excludes 4,500 preservation photocopies of unbound documents.
MICHIGAN STATE	II, 1	Student salary is based on average cost per hour to the library, including work-study for which the library pays 30% of the total wage.
	II, 2	$4,975 of this is included in the figure for Contract commercial binding (II,3).
	II, 6	Includes other expenses paid through NEH-CIC Cooperative Microfilming Project grant.
	II, 11; V,1-4	NEH-CIC Cooperative Microfilming Project.
MINNESOTA		Includes Law and Medical libraries. Excludes branch campus libraries.
	II, 3	Includes fees paid to University-operated commercial-type bindery.

Institution Name	Summary Data Table, Column	Footnote
MISSOURI		Includes Medical library.
		Excludes Law library and campus libraries at Kansas City, Rolla, and St. Louis, as they are separate campuses within the University of Missouri System.
	II, 3	$130,184 reported in *ARL Statistics 1995-96* is incorrect. Correct figure is $135,000.
NATL. AGRICULTURAL LIBRARY		All figures are as of September 30, 1996.
	I, 7-10	Includes one full-time professional detailed last 6 months of fiscal year.
	II, 10	Includes start-up expenses for initiation of preservation program.
NATL. LIBRARY OF CANADA		All figures are as of March 31, 1996.
		General decrease in conservation/preservation activities and expenditures are due to the overall Library budget cuts.
	I, 7-10; II,1	Includes National Archives' staff engaged in preservation activities for the National Library of Canada.
	II, 1-11	Expenditures in Canadian dollars were: (1) $873,824; (2) $0; (3) $3,474; (4) $0; (5) $113,760; (6) $47,790.01; (7) $165,024; (8) $179,196; (9) $518; (10) $1,218,562.71; (11) $782,510.
	II, 1	Includes Archives and Library staff. Professional staff figures include Can. $506,250 for Archives and Can. $144,506 for Library. Support staff figures include Can. $99,000 for Archives and $124,068 for Library. There were no expenditures in 1995-96 for students.
	II, 5	Includes Can. $102,500 representing National Library of Canada's and universities' share of expenditures of the Canadian Theses on Microfiche Service.
	II, 6	Includes Can. $21,443 spent on contract for mass deacidification and $26,347.01 for cleaning of collections during April 1995. Major decrease is attributed to the cancellation of contracts for two shifts of mass deacidification in 1995-96.
	II, 8	Includes Can. $166,000 for solution for mass deacidification from the National Archives for the National Library.
	II, 9	Fees for rental of audio-visual equipment.
	II, 11	Preservation expenditures from the National Archives for the National Library.
	III, IV, V	The National Archives provides in-house preservation services for the National Library of Canada.
	III	A total of 55,464 items received in-house conservation treatment of which 28,501 items went to stabilization and 26,963 items went to treatment. The NL has two treatment levels: minor treatment, which is stabilization, or full treatment. The NL does not define treatment by levels for volumes, nor by bound or unbound sheets, nor provide a separate count for photographs.
	V, 11	Average of 300 frames per title for 10,000 theses.
NATL. LIBRARY OF MEDICINE		All figures are as of September 30, 1996.
	II, 5	Includes $259,390 for preparation of volumes, $194,150 for filming, and $9,024 for inspection of 541 reels of new microfilm. These figures reflect invoices paid. They do not correspond to the figures reported for preservation microfilming production (V,1-12) because many more volumes were prepared and were still in the filming pipeline on September 30, 1996.

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Institution Name	Summary Data Table, Column	Footnote
NATL. LIBRARY OF MEDICINE (cont'd)	II, 6	Includes Microfilm Duplication ($259,390); Microfilm Inspection ($24,980); Binding Preparation ($115,924); Microfilm Cold Storage ($24,755); Cold Storage of Historical Motion Pictures ($36,739); Programming a Microfilm Tracking System ($10,000); and Equipment Repairs ($7,297).
	II, 9	An additional $26,490 was spent for renovation of space for a book repair lab.
	V, 1	Figure represents lower production than usual due to contract start-up.
NEBRASKA		Excludes Law library.
	II, 3	Excludes Law library expenditures included in figure reported in the *ARL Statistics 1995-96*.
	V, 9	Number of frames of archival materials microfilmed.
NEW MEXICO		Includes Medical library.
		Excludes Law library, Bainbride Slide Library, MEC Equity Library, Native American Studies Library, Tireman Library on main campus, and branch campuses in Gallup, Los Alamos, Santa Fe, Taos, and Valencia.
	I, 1-2	There is no preservation administrator. There is a Preservation Committee chaired by a conservation officer.
	I, 7-10	Includes 2 FTE professionals, 2 FTE support staff, and 2 FTE student assistants hired on an NEH grant for the New Mexico Newspaper Project.
	II, 3	Includes Law and Medical libraries.
	II, 11	Includes $156,083 for NEH grant for the New Mexico Newspaper Project.
	IV, 1	Includes Law and Medical libraries.
NEW YORK		All figures are as of August 31, 1996.
		Includes Law and Medical libraries, Dental School, Institute of Fine Arts, Courant Institute, Environmental Medicine, and the Real Estate Institute.
NEW YORK PUBLIC	II, 3	$428,444 was spent for contract binding, of which $419,065 was spent for first time binding. $8,839 was spent for contract rebinding.
NEW YORK STATE		All figures are as of March 31, 1996.
		Includes Law and Medical libraries.
NORTH CAROLINA		Excludes Law and Medical libraries.
	II, 2	$7,082 for custom enclosures included in figure for commercial binding.
	II, 3	Excludes expenditures for Health Sciences and Law libraries included in *AI Statistics 1995-96*.
	II, 5	Excludes cost of film produced in SOLINET/ASERL project.
	III, 4	Pamphlet binders are made in-house.
	V, 1, 5, 9	Includes volumes, titles, and exposures filmed in the SOLINET/ASERL project.
NORTH CAROLINA STATE		The preservation administrator reports to the Associate Director for Collection Management, Organization and Preservation.

Institution Name	Summary Data Table, Column	Footnote
NORTHWESTERN		All figures are as of August 31, 1996.
		Includes Science and Engineering and the main Northwestern University libraries, and the Galter, Law, and Schaffner libraries. As of summer 1996, the Medical and Dental libraries have been combined as the Galter Library.
NOTRE DAME		Includes Law libraries.
	I, 3-6	Includes NEH-funded microfilm project staff: 1 FTE professional, 2 FTE support staff, and 1.25 FTE student.
	II, 6	Includes cost for remote storage of master and print negatives, $2,053; book replacement, $450; and mass deacidification, $2,563.
OHIO		Includes Medical library and the Chillicothe, Lancaster, Eastern Campus, Southern Campus, and Zanesville branch campus libraries.
OHIO STATE		Includes Law and Medical libraries.
		Excludes branch campus libraries.
OKLAHOMA		Includes Law and Medical libraries.
	I, 1-2	The preservation officer dedicates 15% of total job assignment to preservation activities.
OKLAHOMA STATE		Includes Medical and branch campus libraries.
	I, 1	The preservation officer dedicates 10% of total job assignment to preservation activities.
OREGON		Includes Law library.
PENNSYLVANIA		Includes Law, Medical, and branch campus libraries.
PENNSYLVANIA STATE		Excludes Medical library.
		Includes the following branch libraries: Earth and Mineral Sciences, Physical Sciences, Engineering, Math, Architecture, Education, and Pollock undergraduate library.
PITTSBURGH		Includes the Barco Law Library and the Health Sciences Library System.
		Excludes the branch campuses at Bradford, Greensburg, Johnstown, and Titusville.
	II, 3	Total reported excludes the branch campuses, which were included in the *ARL Statistics 1995-96*. Conservation services, preservation photocopying, and microfilming paid out of commercial binding budget.
	V, 9	Includes 42 cubic feet (82,282 exposures) of medical, pension and safety films from 1940-1980 filmed from the records of the United States Corporation, National-Duquesne Work; 5 cubic feet (10,799 exposures) of jail registers, dating from 1893-1925, filmed from the Allegheny County Jail; 1 cubic foot (2,000 exposures) of records dating from 1878-1995, filmed from the Homestead First United Methodist Church Collection; 2 cubic feet (4,000 exposures) of records dating from 1878-1995, from the Church of the Ascension Collection (Oakland, Pgh, PA); 1 cubic foot (2,000 exposures) of the *Mount Pleasant Journal* (Mount Pleasant, PA), from January-June 1995.

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Institution Name	Summary Data Table, Column	Footnote
PRINCETON	I, 10	Includes 5.47 FTE grant-funded positions (2.50 FTE professional staff, 1.58 FTE support staff, 1.39 FTE student assistants), .83 FTE paper conservation intern, and .58 FTE temporary staff, for a total of 6.88 FTE non-permanent staff.
	V, 1, 5, 9	Figures represent contracted work produced through the final year of an NEH funded microfilm project for brittle Arabic print materials.
PURDUE		Excludes Calumet and North Central branch campus libraries.
	I,1-2	The preservation officer dedicates 5% of total job assignment to preservation activities.
QUEEN'S		All figures are as of April 30, 1996.
		Includes Law, Health Sciences, and Education libraries.
		Excludes preservation activities in the University Archives.
	I, 3-6	Includes Stauffer Library and branches. Excludes Education, Health Sciences, and Law libraries.
	II, 1-11	Figures as reported in Canadian dollars were: (1) $76,972; (2) $0; (3) $149,190; (4) $0; (5) $0; (6) $0; (7) $149,190; (8) $3,164; (9) $0; (10) $229,326; (11) $0.
	II, 9	Included in Supplies expenditures (II, 8).
ROCHESTER		Includes Medical and branch campus libraries.
	I, 3-6	Includes Miner School of Medicine and Dentistry, Sibley Music Library, and Eastman School of Music.
	II, 6	Includes New York State Conservation/Preservation grant funds to support two photographic preservation research and development projects conducted by the Image Permanence Institute. IPI is considered the vendor for these projects.
RUTGERS		Includes two Law libraries and services to a non-Rutgers medical school, and colleges and professional schools in Camden, Newark, and New Brunswick.
SASKATCHEWAN		Includes Law and Medical libraries.
		All figures are as of April 30, 1996.
	II, 1-11	Expenditures in Canadian dollars were: (1) $133,393; (2) $0; (3) $87,391; (4) $0; (5) $0; (6) $0; (7) $87,391; (8) $0; (9) $0; (10) $220,784; (11) $0.
	III, 2	Figures for routine mending done in Circulation and branch libraries outside of central Binding Unit reporting to the Head of Cataloguing and Special Collections are unavailable.
SMITHSONIAN		All figures are as of September 30, 1996.
		Includes branch libraries of the center for Astrophysics in Cambridge, MA and Mt. Hopkins, AZ; Cooper-Hewitt Museum in New York City; and Smithsonian Tropical Research Institute in the Republic of Panama.
		Excludes the libraries of the Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art, and National Portrait Gallery.
	I, 4, 8	1 FTE support staff position was vacant for nine months.

Institution Name	Summary Data Table, Column	Footnote
SMITHSONIAN (cont'd)	II, 1	Excludes lapsed salary of $17,007 for vacant position in FY 1996. Reflects decrease for 1 FTE support staff detailed to another position for six months. Reflects increase of 1 FTE support staff detailed to Preservation for 1996 only.
	III, 13	Includes rehousing. Unable to break out statistics for FY 1996.
SOUTH CAROLINA		Includes Law and Medical libraries.
		Excludes branch campus libraries at Aiken, Salkehatchie, Beaufort, Lancaster, Spartanburg, Sumpter, and Union.
SOUTHERN CALIFORNIA		Includes Law and Medical libraries.
		Excludes Arnold Schoenburg Institute Archives.
	I, 1-6; II, 5,9; III, 2-14	Includes Central Library System only. Excludes Health Science Library System and Law library.
	I, 7-10; II, 1	Includes Central Library System and Health Sciences Library System only. Law library data are unavailable.
	II, 8	Includes Central Library System only. Health Sciences Library System and Law library data are unavailable.
SOUTHERN ILLINOIS		Includes Law library.
		Excludes Medical library and branch campus libraries.
STANFORD		All figures are as of August 31, 1996.
		Includes the Hopkins Marine Station and the Hoover Institution.
		Excludes Law, Medical, Business, and Stanford Linear Accelerator libraries.
		In the Stanford University libraries, the preservation administrator reports to the Assistant University Librarian for Technical Services. In the Hoover Institution, the preservation administrator reports to the Deputy Director.
	I, 2	The Stanford University libraries have 1.0 FTE preservation administrator. The Hoover Institution has .30 FTE preservation administrator.
	II, 3	Includes expenditures from Law, Medical, Business, and Stanford Linear Accelerator Center libraries, as well as from Stanford University libraries and the Hoover Institution.
	II, 5	$406,770 was spent on salaries, supplies, and processing of microfilm for a preservation microfilming project that is being funded by the Hoover Institution, but that is taking place in Russia. The Hoover Institution receives a security negative and a positive of all film produced. A negative and a positive are also retained in Russia.
	IV, 1	Includes only Stanford University libraries and the Hoover Institution. Does not include Law, Medical, Business, and Stanford Linear Accelerator Center libraries.
	V, 2	17,828 pamphlets were filmed by the Hoover Institution. Each pamphlet is considered one volume.
	V, 5	5 of these titles refer to archival collections the Hoover Institution had microfilmed. Each of these 5 collections is very large.
	V, 6	In addition to the 17,828 pamphlets, the Hoover Institution also microfilmed 8 archival collections. Each collection is considered to be one title.

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Institution Name	Summary Data Table, Column	Footnote
SUNY-ALBANY		Includes Thomas E. Dewey Library of the Rockefeller College of Public Affairs and Policy.
		The volumes mass deacidified were processed through the University of Rochester in a New York State Coordinated Preservation Project.
SUNY-BUFFALO		Includes Law and Medical libraries.
SUNY-STONY BROOK		All figures for the Preservation Department are as of March 31, 1996. Figures for all other library-wide preservation activities are as of June 30, 1996.
		Excludes Medical library.
	II, 10	Other preservation related expenses include $5,000 for RLG PRESERV membership conference attendance and $1,350 for travel.
	II, 11	Coordinated grant used 2 project aides, equaling .10 FTE. Rehoused 5,500 photographs in envelopes.
SYRACUSE		Excludes Law library.
	I, 3-10	5.1 FTE staff are on external funding.
	II, 9	$26,000 in capital expenditures was used for the construction of a conservation laboratory.
	III, 2	Includes $10,705 for paper-back stiffening.
TEMPLE		Includes Law School library and Health Science campus libraries, Ambler Campus library, and Tyler School of Art library.
TENNESSEE		Includes Law library.
		Excludes branch campus libraries at Chattanooga, Martin, and Memphis.
TEXAS		All figures are as of August 31, 1996.
		Includes Law library.
		Excludes the McDonald Observatory Library.
		The Center for American History (CAH) became a separate administrative unit from the General Libraries (GL) with the commencement of FY 1995-96. The "Texas Newspaper Project," funded in part by the National Endowment for the Humanities, is directed by the General Libraries, though work is overseen by CAH. All statistics for the project are reflected in those for the GL.
	I, 1-2	The GL employs 1 FTE Preservation Officer who, as of January 1996, reports to the Deputy Assistant Director. The Harry Ransom Humanities Research Center (HRHRC) employs 1 FTE Chief Conservation Officer who reports to the Director of the Center. The Tarlton Law Library's (TLL) Archivist/ Rare Books Librarian devotes 10% of his time to preservation administration activities. He reports to the Assistant Librarian for Public Services.
	I, 3-6	HRHRC has 8 professional staff, 6 nonprofessional staff, and 0 student assistants. This includes approximately .75 nonprofessional staff hired for 2 grant projects. Figures do not include 6,400 hours of unpaid support from conservation interns.
	I, 7-10	GL has 3.93 professional staff, 20.8 nonprofessional staff, and 0 student assistants. Includes 1.68 FTE professional staff and 5.1 FTE nonprofessional staff

Institution Name	Summary Data Table, Column	Footnote
TEXAS (cont'd)		who were either hired for or contributed to grant projects. CAH has 0 professional staff, .83 nonprofessional staff, and 0 student assistants. HRHRC has 8 professional staff, 8.5 nonprofessional staff, and 5 student assistants. TLL has .1 professional staff, .2 nonprofessional staff, and 0 student assistants.
	II, 1	Salaries and wages for staff engaged in preservation activities at GL: $141,074 for professional staff, $258,933 for nonprofessional staff, and $0 for student assistants. This comes to a total of $400,007. Salaries and wages for staff engaged in preservation activities at CAH: $0 for professional staff, $13,816 for nonprofessional staff, and 0$ for student assistants. This comes to a total of $13,816. Salaries and wages for staff engaged in preservation activities at HRHRC: $214,521 for professional staff, $126,348 for nonprofessional staff, and $0 for student assistants. This comes to a total of $346,925. Salaries and wages for staff engaged in preservation activities at TLL: $2,775 for professional staff, $2,986 for nonprofessional staff, and $0 for student assistants. This comes to a total of $5,761.
	II, 2	GL contracted $3,500 for the treatment of an oversize map. TLL paid $297 to the Graduate School of Library and Information Science Preservation and Conservation Studies Program for treatment of bound volumes.
	II, 3	Includes $203,286 for GL. This includes $9,585 contracted to the University's Printing Division for binding. Also includes $4,652 for TLL. This includes $4,652 contracted to the University's Printing Division for binding.
	II, 4	Includes GL only.
	II, 7	Includes $341,850 for GL and $4,949 for TLL.
	II, 8	Includes $9,167 for GL, $10,000 for CAH, $39,000 for HRHRC, and $1,410 for TLL.
	II, 9	GL small equipment purchases included in (II,8).
	II, 10	Includes $751,024 for GL, $23,816 for CAH, $385,925 for HRHRC, and $12,120 for TLL.
	II, 11	GL: Includes $78,431 for NEH Texas Newspaper Projects. This does not include travel to meeting or picking up newspapers for filming. Also includes $133,828 for NEH Benson Latin American Collection Brittle Monographs Projects. HRHRC: Includes $9,180 for a Getty Art History Project for research on Art and Architecture Thesaurus. Also includes $2,138 for a NEH Knopf project.
	III, 2	Includes 28,737 for GL, 625 for HRHRC, and 308 for TLL.
	III, 4	Includes 985 for GL, 73 for HRHRC and 150 for TLL.
	III, 5	Includes 200 for GL and 8 for TLL. Treatments performed by Graduate School of Library and Information Science Preservation and Conservation Studies (GSLIS PCS) students.
	III, 6	Includes 67 for GL, 27 for CAH, and 181 for HRHRC.
	III, 7	Includes 200 for GL and 8 for TLL. Treatments performed by GSLIS PCS students.
	III, 8	Includes 29,789 for GL, 27 for CAH, 879 for HRHRC, and 458 for TLL.
	III, 9	Includes 10 for GLL and 97 for CAH. Treatments performed by GSLIS PCS students.
	III, 10	Includes 115 for GL, 53 for CAH, and 4,689 for HRHRC.
	III, 12	Includes 4,500 for CAH and 333 for HRHRC.
	III, 14	Includes 201 for GL, 6 for CAH, and 2,382 for HRHRC. 2,382 for HRHRC does not include 1,590 items prepared for exhibition or loan.

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Institution Name	Summary Data Table, Column	Footnote
TEXAS (cont'd)	IV, 1	Includes 25,961 for GL and 1,153 for TLL.
	IV, 7-8	Includes 20 volumes for GL. Does not include 4,900 photocopies of archival pages for CAH. Also does not include 10,000 photocopies of unbound newsclippings for HRHRC.
	V, 1-4	Includes in-house roll film figures for HRHRC only.
		Includes contract roll film figures for GL only.
	V, 1,5,9	NEH Benson Latin American Collection Brittle Monographs Projects includes 1,726 volumes, 1,632 titles, and 218,577 exposures. NEH Texas Newspaper Project includes 9 titles and 130,598 exposures. No volume count is provided because most of the newspapers were unbound. Patron-requested filming for Benson Latin American Collection materials includes 8 volumes, 5 titles, and 3,600 exposures.
TEXAS A&M		All figures are as of August 31, 1996.
		Excludes Medical library and branch campus libraries.
	I, 3-6	Excludes Jack K. Williams Library at TAMU-Galveston.
	II, 3	Excludes Galveston and Medical Sciences libraries.
TORONTO		Includes Medical library.
		Excludes Law and branch campus libraries.
TULANE		Includes Law, Medical, Women's Center, and Business libraries.
	V, 9-12	Number of exposures excludes some contract microfilming done at Howard-Tilton Memorial Library.
UTAH		Excludes Law and Medical libraries.
VANDERBILT		Includes Law and Medical libraries.
VIRGINIA		Includes Law and Medical libraries.
	II, 3	Includes preservation supplies ($41,195) and 500,000 volumes vacuumed and cleaned before mass boxing for off-site storage. Includes preservation supplies and equipment.
	II, 8	Includes $14,329 for preservation supplies.
VPI & SU		Includes Northern Virginia Graduate Center in Falls Church.
	I, 1	The preservation officer dedicates 10% of total job assignment to preservation activities.
WASHINGTON		Includes Law and Medical libraries, as well as branch campuses of Bothell and Tacoma.
	II, 6	Includes expenditures for Commission for Preservation and Access membership.
	II, 8; III, 1-14	Excludes Law library.
	V, 5, 9	Figure for contract roll film represents filming for newspapers.

Institution Name	Summary Data Table, Column	Footnote
WASHINGTON (cont'd)	V, 3,7,11	Figures are for Law library only.
WASHINGTON STATE		Excludes branch campuses of Spokane, Tri-Cities, and Vancouver.
	I, 1-2	The preservation officer dedicates 0.03% of total job assignment to preservation activities.
	I, 8; II,1	Due to budget reductions, some positions were abolished.
WASHINGTON U.-ST. LOUIS		Excludes Law and Medical libraries.
		Includes Earth and Planetary Sciences, Biology, East Asian, Chemistry, Physics, Music, Art and Architecture, and West Campus libraries.
	II, 3	Excludes figures for law, business, and social work binding that were included in *ARL Statistics 1995-96*.
WATERLOO		No administrator has the responsibility for overseeing preservation and conservation activities. These activities are routinely carried out by the Special Collections and the User Services units. The main task continues to be replacement, binding of books and serials in the existing collection, and binding of new books and pamphlets on entry. Brittle books are placed in storage. Oversewing is replaced with sewing through the fold by the commercial binder.
	II, 1-11	Expenditures reported in Canadian dollars were: (1) $143,684; (2) $2,065; (3) $85,146; (4) $0; (5) $0; (6) $0; (7) $87,211; (8) $5,090; (9) $0; (10) $235,985; (11) $0.
	II, 3	The figure reported for Contract commercial binding (II,2) in *ARL Preservation Statistics 1994-95* is incorrect. The correct figure is $118,849. This changes the Total contract expenditures (II,7) to $120,089 and the Total preservation expenditures (II,10) to $334,581.
WAYNE STATE		All figures are as of September 30, 1996.
		Includes Law and Medical libraries, as well as the Oakland Center and the Reuther Library of Labor and Urban Affairs.
	II, 3	Figures reported in *ARL Statistics 1995-96* included both conservation and binding costs.
WESTERN ONTARIO		Includes Law library.
	I, 1-2	The preservation officer dedicates 5% of total job assignment to preservation activities.
WISCONSIN		Includes Law and Medical libraries.
	I, 3-6	Figures represent preservation staff at Memorial Library only.
	I, 4	Includes 4.51 FTE working on specially funded projects.
	I, 5	Includes .6 FTE working on specially funded projects and .43 FTE volunteer hours.
	I, 7-10	Figures represent preservation staff at Memorial, Special Collections, Music, Law, Health Sciences, and Ag/Life Sciences libraries.
	I, 7	Includes .01 FTE working on specially funded projects.
	I, 8	Includes 4.51 FTE working on specially funded projects.

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Institution Name	Summary Data Table, Column	Footnote
WISCONSIN (cont'd)	I, 9	Includes .6 FTE working on specially funded projects and .43 FTE volunteer hours.
	II, 1-10	Figures represent expenditures for Memorial, Special Collections, Music, Law, Health Sciences, and Ag/Life Sciences libraries.
	II, 3	Figure differs from $196,799 reported in *ARL Statistics 1995-96* because expenditures for boxes made by a commercial binder have been subtracted (II, 2).
	II, 6	Figure represents equipment repair and maintenance contracts for Special Collections and Microfilm Lab, and methylene blue testing for Memorial Library Microfilm Lab, as well as in-house binding equipment for the Health Sciences library.
	III, 1-14	Figures are for Memorial, Special Collections, Music, Law, Health Sciences, and Ag/Life Sciences libraries.
	IV, 1	Includes figures for Memorial, Music, Ag/Life Sciences, and other General Library System libraries, as well as Law and Health Sciences, but does not include some libraries whose expenditures are incorporated into the total dollar figure in Contract Binding Expenditures (II, 3).
YALE		Includes Law, Medical and branch campus libraries.
	V, 1-12	Internal microfilm lab was closed this year. In-house microfilm is no longer being produced.
YORK		All figures are as of April 30, 1995.
		Includes Law library and Glendon College.
	II, 1-11	Expenditures as reported in Canadian dollars were: (1) $92,853; (2) $1,213; (3) $192,255; (4) $0; (5) $0; (6) $0; (7) $193,468; (8) $4,540; (9) $0; (10) $290,861; (11) $0.

APPENDIX

ARL Member Libraries

The Association of Research Libraries (ARL) represents the interests of 120 libraries that serve major North American research institutions. ARL operates as a forum for the exchange of ideas and as an agent for collective action to influence the forces affecting the ability of these libraries to meet the future needs of scholarship. The ARL Statistics and Measurement Program is organized around identifying, collecting, analyzing, and distributing quantifiable information describing the characteristics of research libraries. The program offers publications and special member services, and collaborates with other national and international library statistics programs. Data collected include salaries, library holdings, expenditures, staff, interlibrary lending, and preservation activities.

The members of the Association are:

Institution	Category	Full Name of Institution	Location
Alabama	S	University of Alabama	Tuscaloosa, Alabama
Alberta	C	University of Alberta	Edmonton Alberta
Arizona	S	University of Arizona	Tucson, Arizona
Arizona State	S	Arizona State University	Tempe, Arizona
Auburn	S	Auburn University	Auburn, Alabama
Boston	P	Boston University	Boston, Massachusetts
Brigham Young	P	Brigham Young University	Provo, Utah
British Columbia	C	University of British Columbia	Vancouver, British Columbia
Brown	P	Brown University	Providence, Rhode Island
California, Berkeley	S	University of California, Berkeley	Berkeley, California
California, Davis	S	University of California, Davis	Davis, California
California, Irvine	S	University of California, Irvine	Irvine, California
California, Los Angeles	S	University of California, Los Angeles	Los Angeles, California
California, Riverside	S	University of California, Riverside	Riverside, California
California, San Diego	S	University of California, San Diego	La Jolla, California
California, Santa Barbara	S	University of California, Santa Barbara	Santa Barbara, California
Case Western Reserve	P	Case Western Reserve University	Cleveland, Ohio
Chicago	P	University of Chicago	Chicago, Illinois
Cincinnati	S	University of Cincinnati	Cincinnati, Ohio
Colorado	S	University of Colorado	Boulder, Colorado
Colorado State	S	Colorado State University	Fort Collins, Colorado
Columbia	P	Columbia University	New York, New York
Connecticut	S	University of Connecticut	Storrs, Connecticut
Cornell	P	Cornell University	Ithaca, New York
Dartmouth	P	Dartmouth College	Hanover, New Hampshire
Delaware	S	University of Delaware	Newark, Delaware
Duke	P	Duke University	Durham, North Carolina
Emory	P	Emory University	Atlanta, Georgia
Florida	S	University of Florida	Gainesville, Florida
Florida State	S	Florida State University	Tallahassee, Florida
Georgetown	P	Georgetown University	Washington, DC
Georgia	S	University of Georgia	Athens, Georgia
Georgia Tech	S	Georgia Institute of Technology	Atlanta, Georgia
Guelph	C	University of Guelph	Guelph, Ontario
Harvard	P	Harvard University	Cambridge, Massachusetts
Hawaii	S	University of Hawaii	Honolulu, Hawaii
Houston	S	University of Houston	Houston, Texas
Howard	P	Howard University	Washington, DC
Illinois, Chicago	S	University of Illinois at Chicago	Chicago, Illinois
Illinois, Urbana	S	University of Illinois at Urbana	Urbana, Illinois
Indiana	S	Indiana University	Bloomington, Indiana
Iowa	S	University of Iowa	Iowa City, Iowa
Iowa State	S	Iowa State University	Ames, Iowa
Johns Hopkins	P	Johns Hopkins University	Baltimore, Maryland
Kansas	S	University of Kansas	Lawrence, Kansas
Kent State	S	Kent State University	Kent, Ohio
Kentucky	S	University of Kentucky	Lexington, Kentucky
Laval	C	Laval University	Quebec
Louisiana State	S	Louisiana State University	Baton Rouge, Louisiana
McGill	C	McGill University	Montreal, Quebec
McMaster	C	McMaster University	Hamilton, Ontario
Manitoba	C	University of Manitoba	Winnipeg, Manitoba
Maryland	S	University of Maryland	College Park, Maryland
Massachusetts	S	University of Massachusetts	Amherst, Massachusetts
MIT	P	Massachusetts Institute of Technology	Cambridge, Massachusetts
Miami	P	University of Miami	Coral Gables, Florida

S=U.S. public university P=U.S. private university N=U.S. nonuniversity library C=Canadian university X=Canadian nonuniversity

Institution	Category	Full Name of Institution	Location
Michigan	S	University of Michigan	Ann Arbor, Michigan
Michigan State	S	Michigan State University	East Lansing, Michigan
Minnesota	S	University of Minnesota	Minneapolis, Minnesota
Missouri	S	University of Missouri	Columbia, Missouri
Nebraska	S	University of Nebraska-Lincoln	Lincoln, Nebraska
New Mexico	S	University of New Mexico	Albuquerque, New Mexico
New York	P	New York University	New York, New York
North Carolina	S	University of North Carolina	Chapel Hill, North Carolina
North Carolina State	S	North Carolina State University	Raleigh, North Carolina
Northwestern	P	Northwestern University	Evanston, Illinois
Notre Dame	P	University of Notre Dame	Notre Dame, Indiana
Ohio	S	Ohio University	Athens, Ohio
Ohio State	S	Ohio State University	Columbus, Ohio
Oklahoma	S	University of Oklahoma	Norman, Oklahoma
Oklahoma State	S	Oklahoma State University	Stillwater, Oklahoma
Oregon	S	University of Oregon	Eugene, Oregon
Pennsylvania	P	University of Pennsylvania	Philadelphia, Pennsylvania
Pennsylvania State	S	Pennsylvania State University	University Park, Pennsylvania
Pittsburgh	S	University of Pittsburgh	Pittsburgh, Pennsylvania
Princeton	P	Princeton University	Princeton, New Jersey
Purdue	S	Purdue University	West Lafayette, Indiana
Queen's	C	Queen's University	Kingston, Ontario
Rice	P	Rice University	Houston, Texas
Rochester	P	University of Rochester	Rochester, New York
Rutgers	S	Rutgers University	New Brunswick, New Jersey
Saskatchewan	C	University of Saskatchewan	Saskatoon, Saskatchewan
South Carolina	S	University of South Carolina	Columbia, South Carolina
Southern California	P	University of Southern California	Los Angeles, California
Southern Illinois	S	Southern Illinois University	Carbondale, Illinois
Stanford	P	Stanford University	Stanford, California
SUNY-Albany	S	State University of New York at Albany	Albany, New York
SUNY-Buffalo	S	State University of New York at Buffalo	Buffalo, New York
SUNY-Stony Brook	S	State University of New York at Stony Brook	Stony Brook, New York
Syracuse	P	Syracuse University	Syracuse, New York
Temple	S	Temple University	Philadelphia, Pennsylvania
Tennessee	S	University of Tennessee	Knoxville, Tennessee
Texas	S	University of Texas	Austin, Texas
Texas A&M	S	Texas A&M University	College Station, Texas
Toronto	C	University of Toronto	Toronto, Ontario
Tulane	P	Tulane University	New Orleans, Louisiana
Utah	S	University of Utah	Salt Lake City, Utah
Vanderbilt	P	Vanderbilt University	Nashville, Tennessee
Virginia	S	University of Virginia	Charlottesville, Virginia
VPI & SU	S	Virginia Polytechnic Institute & State University	Blacksburg, Virginia
Washington	S	University of Washington	Seattle, Washington
Washington State	S	Washington State University	Pullman, Washington
Washington U.-St. Louis	P	Washington University	St. Louis, Missouri
Waterloo	C	University of Waterloo	Waterloo, Ontario
Wayne State	S	Wayne State University	Detroit, Michigan
Western Ontario	C	University of Western Ontario	London, Ontario
Wisconsin	S	University of Wisconsin	Madison, Wisconsin
Yale	P	Yale University	New Haven, Connecticut
York	C	York University	North York, Ontario
Boston Public Library	N	Boston Public Library	Boston, Massachusetts
Canada Inst. for SciTech	X	Canada Inst. for Scientific & Technical Information	Ottawa, Ontario
Center for Research Libs.	N	Center for Research Libraries	Chicago, Illinois
Library of Congress	N	Library of Congress	Washington, DC
Linda Hall Library	N	Linda Hall Library	Kansas City, Missouri
Natl. Agricultural Lib.	N	National Agricultural Library	Beltsville, Maryland
Natl. Library of Canada	X	National Library of Canada	Ottawa, Ontario
Natl. Library of Medicine	N	National Library of Medicine	Bethesda, Maryland
New York Public Library	N	New York Public Library	New York, New York
New York State Library	N	New York State Library	Albany, New York
Smithsonian Institution	N	Smithsonian Institution	Washington, DC

S=U.S. public university P=U.S. private university N=U.S. nonuniversity library C=Canadian university X=Canadian nonuniversity

ARL STATISTICS AND MEASUREMENT PROGRAM PUBLICATIONS AND SERVICES

http://arl.cni.org/stats/Statistics/stat.html

The Age Demographics of Academic Librarians: A Profession Apart

Stanley J. Wilder. December 1995. ISBN 0-918006-77-5. 88pp. $30.

Based on data from the ARL Annual Salary Survey, this report examines the shape and movement of the ARL librarian age profile, correlates it to the 1960s period of baby boom growth in higher education, and makes startling retirement projections for the group.

ARL Annual Salary Survey 1996-97

ISSN 0361-5669. Back issues are available. Standing orders: $65 ($35 ARL members).

A compilation of data covering over 12,000 professional positions in ARL's member libraries. Tables display average, median, and beginning salaries; salaries by position and experience, gender and race; and salaries in different geographic regions and sizes of libraries.

ARL Preservation Statistics 1994-95

ISSN 1050-7442. Back issues are available. Standing orders: $65 ($35 ARL members).

Annual compilation of data on current levels of preservation efforts and reports on the key organizational, functional, and fiscal components comprising ARL preservation programs.

ARL Statistics 1995-96

ISSN 0147-2135. Back issues are available. Standing orders: $65 ($35 ARL members).

Annual compilation of data on collection size and growth, materials and operating expenditures, staffing, and library services. The most comprehensive resource for information on research library operations and trends.

Developing Indicators for Academic Library Performance: Ratios from the ARL Statistics 1993-95

August 1996. ISSN 1084-9459. 196pp. $50 ($25 ARL members).

Presents 30 selected ratios that describe changes in internal library operations, as well as resources per faculty and per student, for ARL university libraries over a two-year period.

Conducting User Surveys In Academic Libraries

This introductory, one-day workshop presents the basic concepts and steps for conducting a user survey: defining objectives, sampling, measurement scales, logistics, data analysis, and report writing.

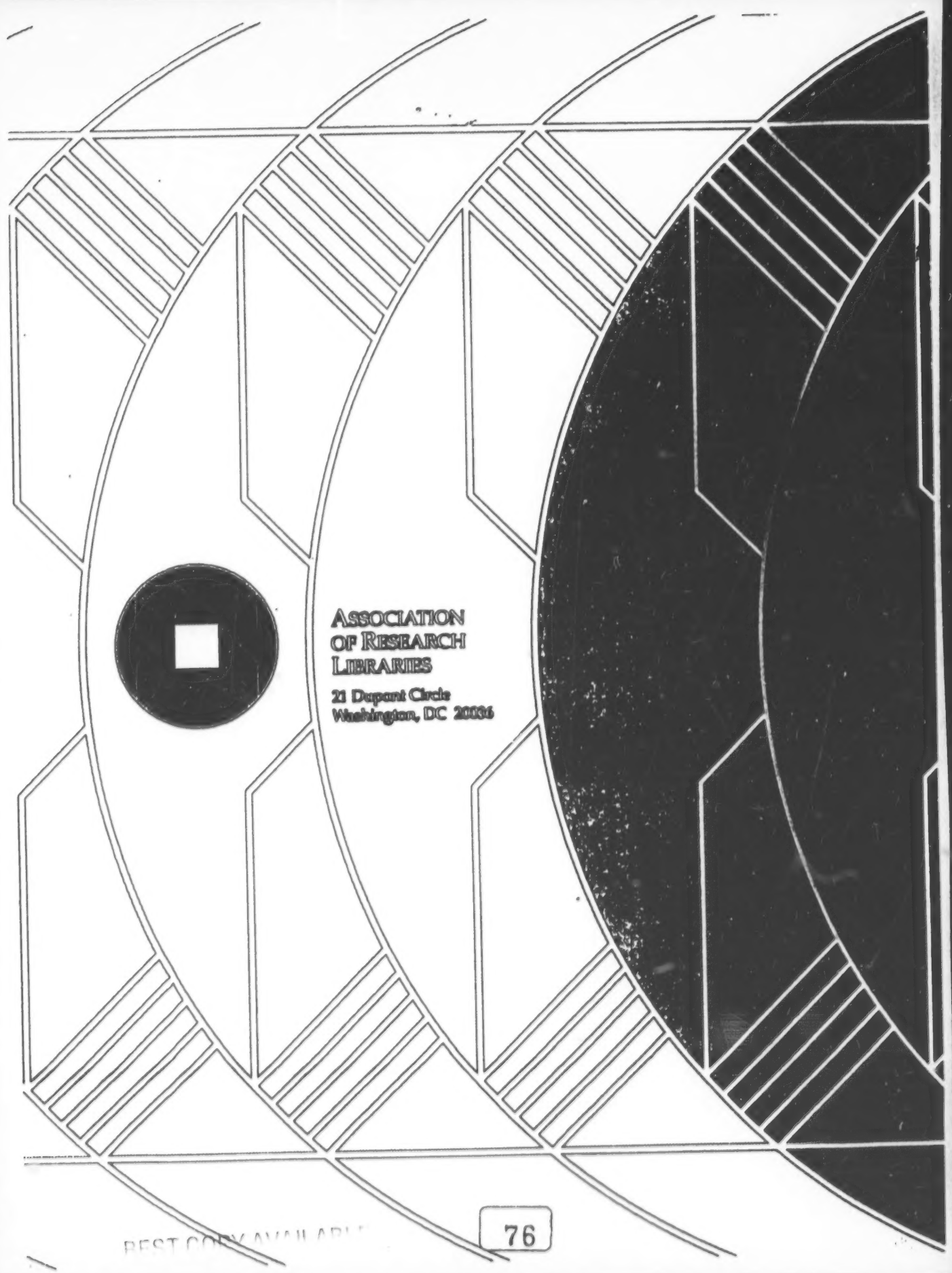
Electronic Publishing of Data Sets on the WWW

This three-day workshop is designed for librarians, information professionals, and educators, and provides hands-on experience in developing interfaces for publishing and analyzing social, economic, and other numeric data sets on the WWW.

Customized Services

For any dataset produced by ARL, you can request comparative institutional data and ARL will perform the analysis and provide you with tables and reports in the format that best suits your needs.

For more information on any of these products or services, please contact Julia Blixrud, ARL Senior Program Officer at 202-296-2296 or email <jblix@cni.org>.



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